
SERVICE MANUAL

Magnum

TV SET

MODEL: CTV-2120 TXT

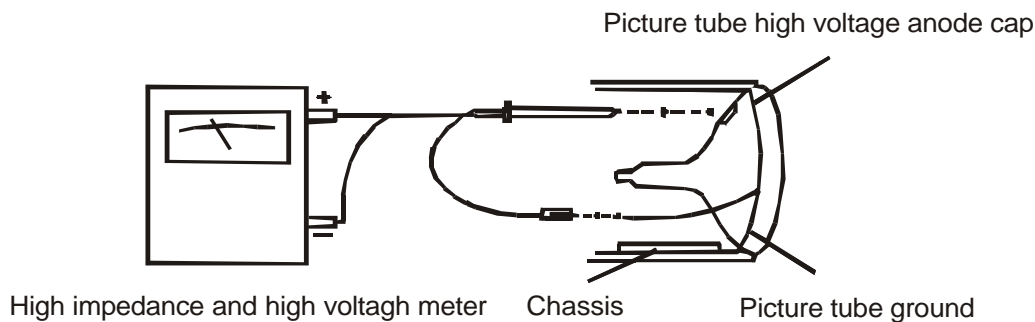


SAFETY INSTRUCTIONS

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" DESCRIBED BELOW.

X-RAY RADIATION PRECAUTION

1. Extremely high voltage of the picture tube may result in producing potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit.
The nominal value of the high voltage of this receiver is about 25.9 kV at zero beam current (minimum brightness) under 175-245V AC power source.
The high voltage must, under any circumstances, not exceed about 30.5 kV.
Each time this receiver requires servicing, the high voltage should be checked according to the HIGH VOLTAGE CHECK procedure at the back of this manual. It is recommended to record the reading of the high voltage in the service record each time. Using an accurate and reliable high impedance and high voltage meter is quite important. Connect the NEGATIVE and POSITIVE probe of a high voltage meter to the "ground" and the high voltage anode cap of the picture tube respectively.



HIGH VOLTAGE CHECK CONNECTION DIAGRAM

2. The only source of X-RAY RADIATION in this receiver is the picture tube. For ensuring the intensity of X-RAY RADIATION from the picture tube being within the specified safety limit, the replacement picture tube must be exactly the same type specified in the parts list.
3. Some parts in this receiver have special safety-related characteristics which would affect X-RAY RADIATION protection. For safety, parts replacement should be carried out only after referring to the "PRODUCT SAFETY NOTICE" below.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this receiver have special safety-related characteristics (directly relate to high voltage, high temperature or electric shock) which are not easily seen by visual inspection. Whenever replacing such components, make sure that the replacement parts can provide effective X-RAY RADIATION protection even though their high voltage and wattage can meet the specification of the original design. Such parts can be identified by shading and marking with \triangle in the schematic diagram and the parts list.

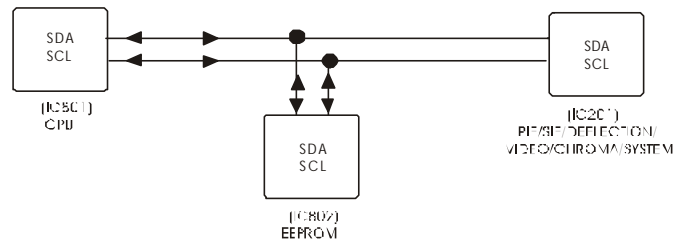
Before replacing any of these components, read the parts list in this manual carefully. Using substitute parts which do not have the same safety characteristics as the ones specified in the parts list may create excessive X-RAY RADIATION.

I²C BUS CONCEPT

(1). Characteristics

- 1.1 I²C Bus consists of clock (SCL) and data (SDA) lines.
- 1.2 It transmits data among integrated circuits in full duplex mode.
- 1.3 It is composed of a main IC chip (CPU) and one or more sub-IC chips.
 - The CPU mainly operates data transmissions and also generates clock signal.
 - The CPU also controls all sub-IC chips, making them work.

(2). I²C Bus Application in this TV unit



In this TV unit, IC801 is the main chip while IC802, IC201 and other chips are regarded as sub-chips.

2.1 IC801 (CPU) controls the functions of IC201 via the I²C bus between them.

2.2 The data of channel positions, BT voltage, band, AFT, clear, volume, power on/off, timer, color, etc. are written into, stored in and read out from IC802 via the I²C bus.

SAFETY PRECAUTION

1. High voltage of 24-26 kV is always present inside this receiver when it is operating, so be cautious of electric shock hazard while removing the back cabinet to process adjustment.
 - (A) Servicing should not be attempted by any person who is not very familiar with the required re-cautions when working on this high-voltage equipment.
 - (B) Before removing the anode cap of the picture tube, discharge the high voltage potential from the picture tube anode several times by short-circuiting the anode together with its ground to keep off electric shock hazard.
 - (C) Perfectly discharge the high voltage potential of the picture tube before handling the picture tube which is highly evacuated. When it is broken, danger may be caused because of the violent burst of its glass fragments.
2. If the fuse in this receiver is blown, replace it with the type specified in the chassis parts list or with the same specifications (never use other types).
3. Whenever replacing with new components, twist the lead wires of the component together with the concerned residual leads before soldering.
4. Whenever replacing with a new high wattage resistor (such as oxide metal film resistor) on any of the circuit boards, keep the body of the resistor 10 mm above the circuit board.
5. Keep all connecting wires away from the components of high voltage or high temperature.
6. This receiver is designed to operate at AC 175-245V~50/60Hz, NEVER connect to DC supply or any other power sources.
7. The main chassis of this receiver is perfectly isolated.

INSTALLATION AND SERVICE ADJUSTMENTS

GENERAL INFORMATION:

Normally, this receiver have been thoroughly checked and adjusted before leaving the factory; therefore it should operate normally and produce perfect color and B/W pictures upon installation. However, several minor adjustments may be required according to the practical situation.

This receiver is packed in a cardboard carton during transportation. Carefully draw it out from the carton and remove all packing materials.

Plug the receiver's power cord into a convenient 175-245V 50/60Hz AC two pins or three pins power outlet.

Check and adjust all the customer controls such as BRIGHTNESS, CONTRAST and COLOUR to obtain natural color or B/W picture.

AUTOMATIC DEGAUSSING :

A degaussing coil is mounted around the picture tube so that external degaussing after moving the receiver is normally unnecessary, providing the receiver is properly degaussed upon installation. The degaussing coil operates for about 1 second after the power to the receiver is switched ON. If the set is moved or faced in a different direction, the power switch must be switched off at least one hour in order that the automatic degaussing circuit operates properly. And then the receiver turned it again.

Should the chassis or parts of the cabinet become magnetized to cause poor colour purity, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube, the sides and front of the receiver and slowly withdraw the coil to a distance of about 2 meters before disconnecting it from AC source. If colour shading still persists, perform the "COLOUR PURITY ADJUSTMENT" and "CONVERGENCE ADJUSTMENTS" procedures as mentioned later.

Remote Handset Operation

Top View of Remote Control

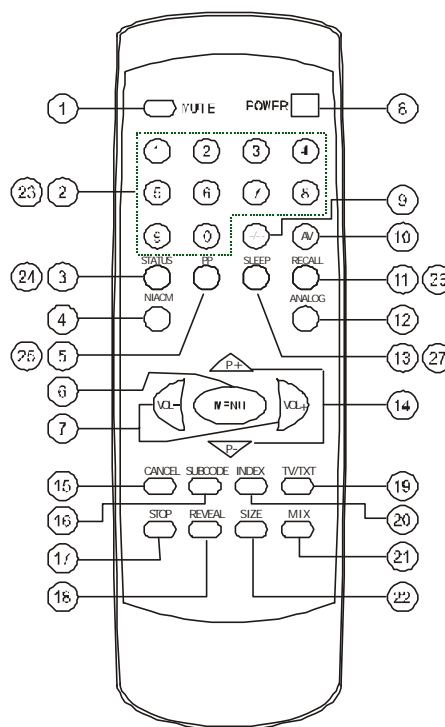
HOW TO OPERATE REMOTE CONTROL

There are 27 buttons on the remote control. It operates with infra-red beam which is not affected by noise or other interferences. Make sure strong light never strikes on the infra-red receiver; otherwise, it would obstruct the remote control working normally with the TV unit.

Do not drop or expose it to high temperature.

*4 (FOR NICAM/ GERMAN STEREO ONLY) *15-27 (FOR TELETEXT ONLY)

1. SOUND MUTING BUTTON
2. NUMBER (0-9) BUTTONS
3. STATUS (RED) BUTTON
4. NICAM BUTTON
5. PERSONAL PREFERENCE (GREEN) BUTTON (PP)
6. MENU BUTTON
7. VOLUME (UP/DOWN) BUTTONS
8. STANDBY BUTTON
9. DIGIT SELECT BUTTONS
10. TV/AV BUTTON
11. PREVIOUS (YELLOW) BUTTON
12. ANALOG BUTTON
13. SLEEP (BLUE) BUTTON
14. PROGRAM (UP/DOWN) BUTTONS
15. CANCEL BUTTON
16. SUBCODE BUTTON
17. STOP BUTTON
18. REVEAL BUTTON
19. TV/TXT. BUTTON
20. INDEX BUTTON
21. MIX. BUTTON
22. SIZE BUTTON
23. DIGIT ENTRY (0-9) BUTTONS
- 24-27. COLOUR BUTTON



HOW TO DISASSEMBLE REMOTE CONTROL HAND UNIT (see Fig. 1)

1. Remove the battery cover and loosen the screws.
2. Open one side of the back cabinet to take it away from the front cabinet.

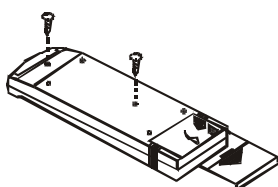


Fig. 1

METHOD OF REMOVING BACK CABINET (see Fig. 2)

Attn.: Before disassembling the back cabinet, first draw the power cord plug of the receiver from AC outlet.

1. Disconnect the antenna cable from the antenna terminal.
2. Loosen the 5 pieces of screw (A) used in fixing the antenna jack plate on the back cabinet.
3. Loosen the 9 pieces of screw (B) used in fixing the back cabinet to the front cabinet; then remove the back cabinet.

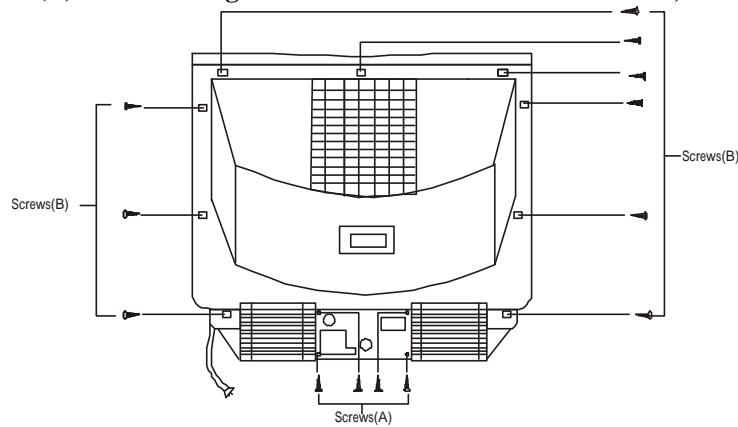


Fig.2

METHOD OF REMOVING PICTURE TUBE (see Fig. 4)

After taking out the chassis holder (main chassis), proceed the following procedures accordingly:

1. Turn the receiver down and let the screen of the picture tube face downward, and put it on a soft cushion.
2. Loosen the 4 pieces of nut used in fixing the picture tube on the front cabinet, remove the degaussing coil; then use two hands to hold the edges of the picture tube tightly and draw it out.
3. Detach the ground wire of the picture tube which is attached to the lugs of the picture tube with springs.

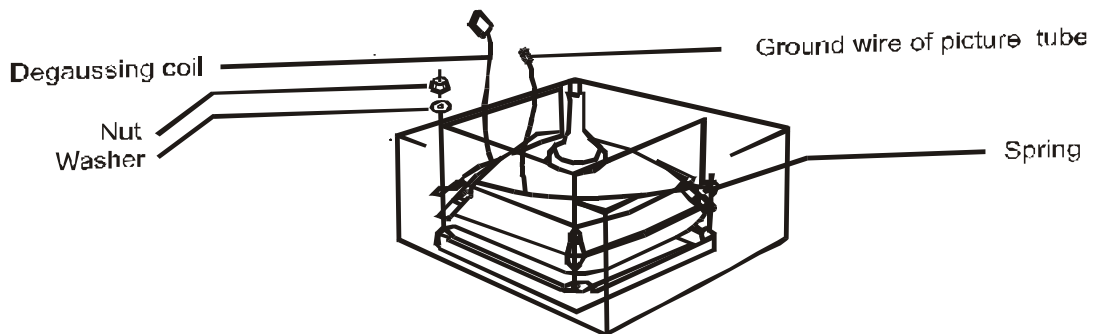


Fig.4

SUGGESTION: Before servicing the chassis, please read through "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" and "PRODUCT SAFETY NOTICE" at Page 2 & 3 of this manual.

GENERAL ADJUSTMENT INSTRUCTIONS

This receiver is transistorized and special care should be taken when servicing. If not necessary, do not attempt any adjustments because the requirements of the procedures are very stringent. Read the following matters before attempting any adjustments.

An isolation transformer should be used during any dynamic service to avoid possible electric shock hazard.

The test equipment specified or their equivalent is required in having proper alignment. Using unsuitable equipment, which do not meet these requirements, may result in improper alignment.

Correct matching of the equipment is essential. Failure of using proper matching will result in responses which cannot show the true operation of the receiver.

Excessive signal by using a sweep generator can cause the receiver circuit overloaded. Overloading should be avoided to obtain a true response curve. Insertion of markers by using the marker generator should not cause the response curve distorted.

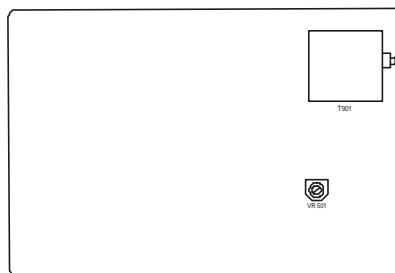
The AC power line voltage should be accurately kept during alignment.

During the process of alignment, the AC voltage should be kept in the range from 215V to 225V (50Hz).

Do not attempt to connect or disconnect any wire while the receiver is in operation. Make sure the power cord is unplugged before replacing any parts in the receiver.

Unless specified, start adjustments after the receiver is turned on for at least 30 seconds.

CHASSIS'S TOP VIEW



MAIN CHASSIS PC BOARD

NOTICE:

1. Resistor

All resistors are of 1/8W Carbon Film type except those listed below. The unit of measure for resistor is OHM (K = 1,000 ohm, M = 1,000,000 ohm).

CARBON FILM RESISTOR

CARBON COMPOSITION RESISTOR

METAL OXIDE RESISTOR +5%

METAL OXIDE RESISTOR +2%

FUSIBLE RESISTOR

NON-INFLAMMABLE RESISTOR

PTC THERMISTOR

VARIABLE RESISTOR

2. Capacitor

All capacitors are of 50V Ceramic type except those listed below. The unit of measure for capacitor is FARAD (F) (UF = 0.000001 F, PF = UUF = 0.000001 UF)

CERAMIC CAPACITOR

TANTALUM CAPACITOR

POLYESTER FILM CAPACITOR

POLYPROPYLENE FILM CAPACITOR

ELECTROLYTIC CAPACITOR

TRIMMER CAPACITOR

METAL POLYESTER FILM CAPACITOR

3. Unit of Measure: UH

4. Test Point



5. Marking of Ground Wire



: Ground wire of chassis (COLD)



: Ground wire of external wire (HOT)

6. Voltage Measurement

The voltages at all points should be measured with a digital multi-meter, and the measuring conditions are as follows:

Power Source: AC220V 50Hz

Receiving Signal: Color Bar Signal

All Control Buttons: in Normal Position

7. Waveform

The numeral in the small circle represents the number of waveform, refer to the waveform table.

8. It is easy to locate a connection point in the direction as indicated by arrow ().

9. The schematic diagram in this manual is drawn according to the original design. It may be slightly different from the actual circuit of the receiver because of any change in the circuit subject to no prior notice.

Notice: This circuit has a transformer to isolate the power supply circuit from the majority of the other circuit, and they can be identified in the schematic diagram by marking with "HOT" and "COLD". Please note the followings. All circuits are "COLD" except power supply circuit.

(1) To avoid electric shock hazard, never touch the "HOT" and "COLD" circuit simultaneously.

- (2) Never short-circuit the "HOT" and "COLD" circuit to prevent the fuse or other components from burning.
- (3) Never connect any measuring equipment such as oscilloscope to both the "HOT" and "COLD" circuit at the same time to prevent the fuse from burning. Also, connect the ground of the measuring equipment to the ground of the circuit being tested.
- (4) Never fail to unplug the power cord of the receiver before taking out the chassis.

TEST EQUIPMENT :

EQUIPMENT	SPECIFICATION
High Impedance Voltmeter	Having an impedance of at least 100 Kohm.
Oscilloscope	Volt sensitivity over 10mV input impedance over 1 Mohm, below 10PF.
Sweep/Marker Generator	Output adjustable to at least 0.1 volts rms.
Colour Bar Generator	With functions: BAR/DOT/SQUARE/SYSTEM SELECT/VIDEO OUTPUT TERMINAL/CROSS-HATCH/S-VIDEO OUTPUT TERMINAL functions and green or red purity signal.
Power Supply	Source such as a battery or a well regulated and isolated DC bias supply. (Adjust 0-20V)
AC/DC Voltmeter	High sensitive (better use digital voltmeter)
Isolation Transformer	Voltage adjustable type having capacity of more than 200 watts.
Probe	Low-capacitance / High impedance.
FM/AM Signal Generator	National ; MODEL : VP8177A

B+ VOLTAGE ADJUSTMENT

Notice: (A) B+ voltage closely relates to the picture tube's positive high voltage.

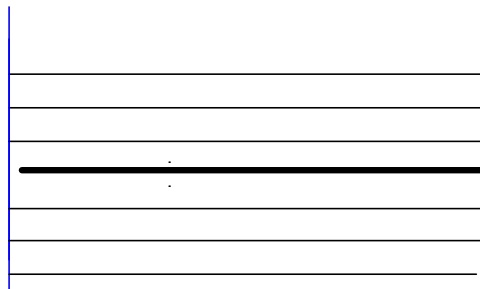
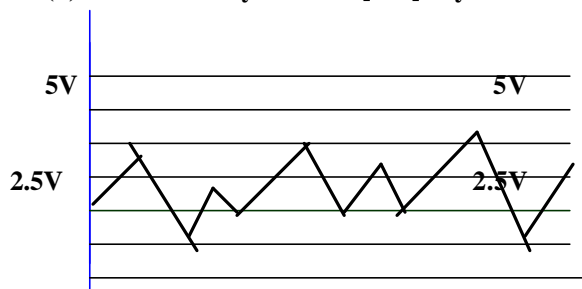
(B) To prevent it from producing excessive hazardous X- RAY RADIATION, ensure that B+ voltage must be adjusted to at the 108V POSITIONS.

1. Check the AC line voltage supplied is AC220V \pm 5% 50 Hz.
2. Turn in an active channel, adjust BRIGHTNESS and CONTRAST controls to obtain a normal picture.
3. Connect test point (C506) on the MAIN CHASSIS PCB with high impedance DC voltmeter.
4. Adjust VR501 (on the MAIN PCB) for B+ 108V \pm 0.3V voltage reading.

VCO IF ADJUSTMENT:

- (1) In AV mode, disconnect the solder link(P1) on main chassis board.
- (2) Connect an Oscilloscope Measure pin 1 of IC201.
- (3) Does not apply signal to Tuner & Power on TV.
- (4) Access service mode, then selects PIF VCO item adjustment setting date = 80
- (5) Adjust the VCO coil (L204) so that the pin 1 of IC201 voltage is DC 2.5V and the waveform (see Fig. 6)
- (6) Press Factory handset [PP] key to finish.
- (7) Turn off TV set and connect the solder link(P1) on main chassis board.

- (1) Press Factory handset [PP] key to finish.



0 Incorrect Waveform

(Fig. 5)

0 Correct Waveform

(Fig. 6)

AGC DELAY ADJUSTMENT:

- (1) Tune the strongest station in your area.
- (2) Access service mode, then select RF AGC item adjustment setting is about = 24 in the range (00 TO 3F).
- (3) The snow just disappears from the screen.

WHITE BALANCE ADJUSTMENT:

- (1) Tune in a active channel and warm up the set for 15 minutes.
 - (2) Rotate the screen control fully counter clockwise .
 - (3) Access service mode, and press 'MUTE' button.
 - (4) Rotate the screen control gradually clockwise until the first horizontal line appears on the screen.
 - (5) Set the [CUT OFF --- R,G, B,] items. Component level to get a white horizontal line .
 - (6) Press [MUTE] key against, Set the Brightness and Contrast controls at normal position, Colour control to the minimum level.
 - (7) Set the [Green Gain & Blue Gain] items to maintain a good white balance at the brightest part of the screen.
- Set the brightness and contrast controls to maximum and minimum. Observe the screen white balance , if it is not proper in high brightness or low brightness condition , Set the [CUT OFF --- R,G, B] items or [Green Gain & Red Gain] items, in order to maintain a good white balance in both low and high luminance conditions.

B-Y, R-Y ADJUSTMENT (SECAM) ONLY :

- (1) Set colour System [AUTO] or [SECAM].
- (2) Receive SECAM colour bar signal .
- (3) Set the Brightness and Contrast controls at normal position, Colour control to the minimum.
- (4) Set the [Secam B-Y & Secam R-Y] items to maintain a good white balance at the brightest part of the screen.

HIGH VOLTAGE CHECK:

CAUTION : There is no HIGH VOLTAGE ADJUSTMENT on this chassis.

- a. Connect an accurate high voltage meter to the second anode of the picture tube.
- b. Turn on the receiver and set the BRIGHTNESS, COLOUR and CONTRAST Controls to the minimum (zero beam current).
- c. High voltage will be measured below 30.5 KV.
- d. Adjust the BRIGHTNESS Control to both extremes to ensure the high voltage does not exceed the limit of 34KV under any circumstances.

FS CIRCUIT CHECK:

- a. Push the Power Switch on and adjust all controls for normal operation.
- b. Temporarily connect a 18Kohm resistor across R919 on the Main Chassis PC Board. Raster and sound will disappear.
- c. The receiver must remain in this state even after removing the resistor. This is the evidence that the Fail Safe circuit is functioning properly.
- d. To obtain a picture again, temporarily push the power switch off and allow the Fail Safe circuit move than 30 seconds to reset. Then push the power switch on to produce a normal.

FOCUS ALIGNMENT :

Tune in an active channel or Phillips Pattern. Adjust the Focus control on the FLYBACK TRANSFORMER (T901) for well defined scanning lines in the center area on the screen.

HORIZONTAL ADJUSTMENT

- a. Receive the Phillips Pattern. Apply a crosshatch signal.
 - b. Set the contrast and colour to their minimum, and the brightness to its maximum.
 - c. Adjust (H-POSITION 50/60) to move the picture at the center.
- Adjust (H-SIZE 50/60) to move rightful high picture.

ATTN.: These settings should be done with separate test signals with a 50 Hz and a 60 Hz field frequency. These parameters are stored in separate groups for 50 Hz and 60 Hz and are recalled or set, depending on the field frequency of the currently received program.

VERTICAL ADJUSTMENT

Apply a crosshatch signal.

Adjust (V-S CORRECTION) to obtain a s-correction picture.

Adjust (V-LINEARITY 50/60) to obtain a linear picture.

Adjust (V-POSITION 50/60) to move the picture at the center.

Adjust (V-SIZE 50/60) to obtain rightful high picture.

ATTN.: These settings should be done with separate test signals with a 50 Hz and a 60 Hz field frequency. These parameters are stored in separate groups for 50 Hz and 60 Hz and are recalled or set, depending on the field frequency of the currently received program.

SAFETY PRECAUTION :

Dielectric voltage withstand test :

The following accessible parts should be stressed for a period of one second on each complete appliance before it leaves the factory.

The test potential voltage not less than 3500V, 50Hz should be applied for 1 second between both blades of the attachment plug cap. and the following parts :

<u>Name of part</u>	<u>Locations</u>
1. Antenna Terminal	Back Cabinet
2. AV input Terminals	Front / Back Cabinet
3. AV output Terminals	Back Cabinet
3. Enclosure Screws	Back Cabinet
4. S-Video Sockets	Front Cabinet
5. Ext. Speaker Terminals	Back Cabinet

COLOUR PURITY ADJUSTMENT

Note: Before attempting any color purity adjustments, the receiver should be turned on for at least 30 minutes. (see Figure 8). A few rubber wedges should be available for use whenever necessary during the process of color purity adjustment.

- Demagnetize the picture tube and cabinet using an external degaussing coil.
- Turn the CONTRAST and BRIGHTNESS controls to maximum.
- Adjust RED and BLUE bias controls (R-CUT OFF) and (B-CUT OFF) to provide only a green raster. Advance the GREEN bias control (G-CUT OFF) is necessary.
- Loosen the clamp screw holding the yoke and slide the yoke and slide the yoke backward to provide vertical green belt (zone) in the picture screen.
- Remove the rubber wedges.
- Rotate and spread the tabs of the purity magnet (See Fig. 9 around the neck of the picture tube until the green belt is in the center of the screen. At the same time center the raster vertically.
- Move the yoke slowly forward or backward until a uniform green screen is obtained. Tighten the clamp screw of the yoke temporarily.
- Check the purity of the red and blue raster by adjusting the (CUT OFF) bias controls.
- Obtain a white raster, referring to "CRT GREY SCALE ADJUSTMENT (White Balance Adjustment).
- Proceed with convergence adjustment.

CENTER CONVERGENCE ADJUSTMENT :

Note : Before attempting any convergence adjustments, the receiver should have operated for at least fifteen minutes.

- Receive crosshatch pattern with a colour bar signal generator.
- Adjust the BRIGHTNESS and CONTRAST controls for a well defined pattern.
- Adjust two tabs of the 4-Pole magnets to change the angle between them (See Fig.9) and superimpose red and blue vertical lines in the center area of the picture screen (See Fig. 10).
- Turn both tabs at the same time , keeping their angles constant to superimpose red and blue horizontal lines at the center of the screen (See Fig. 10).
- Adjust two tabs of 6-Pole magnets to superimpose red and blue line with green one. Adjusting the angle affects the vertical lines and rotating both magnets affects the horizontal lines.
- Repeat adjustments c,d,e, keeping in mind red, green and blue movements because 4-Pole magnets and 6-Pole magnets mutual affection and make dot movement complex.

CIRCUMFERENCE CONVERGENCE ADJUSTMENT :

- a. Loosen the clamping screw of the deflection yoke to allow the yoke to tilt.
- b. Put a wedge as shown in Fig.8 temporarily. (Do not remove the cover paper on the adhesive part of the wedge).
- c. Tilt front of the deflection yoke up or down to obtain better convergence in circumference. (See Fig.10).
Push the mounted wedge into the space between the picture tube and the yoke to hold the yoke temporarily.
- d. Put another wedge into bottom space and remove the cover paper to stick.
- e. Tilt front of the yoke right or left to obtain better convergence in circumference. (See Fig. 10).
- f. Keep the yoke position and put another wedge in either upper space. Remove the cover paper and stick the wedge on picture tube to hold the yoke.
- g. Detach the temporarily mounted wedge and put it in another upper space. Stick it on the picture tube to fix the yoke. After fixing three wedges, recheck overall convergence.
- h. Tighten the screw firmly to hold the yoke tightly in place. Stick 3 adhesive tapes on wedges as shown in Fig. 8.

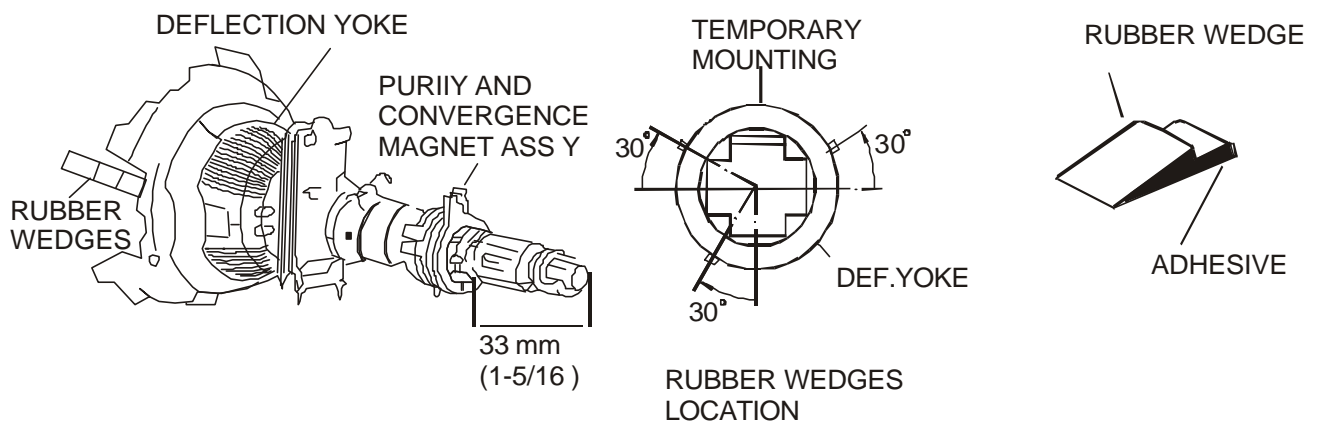


Figure 8

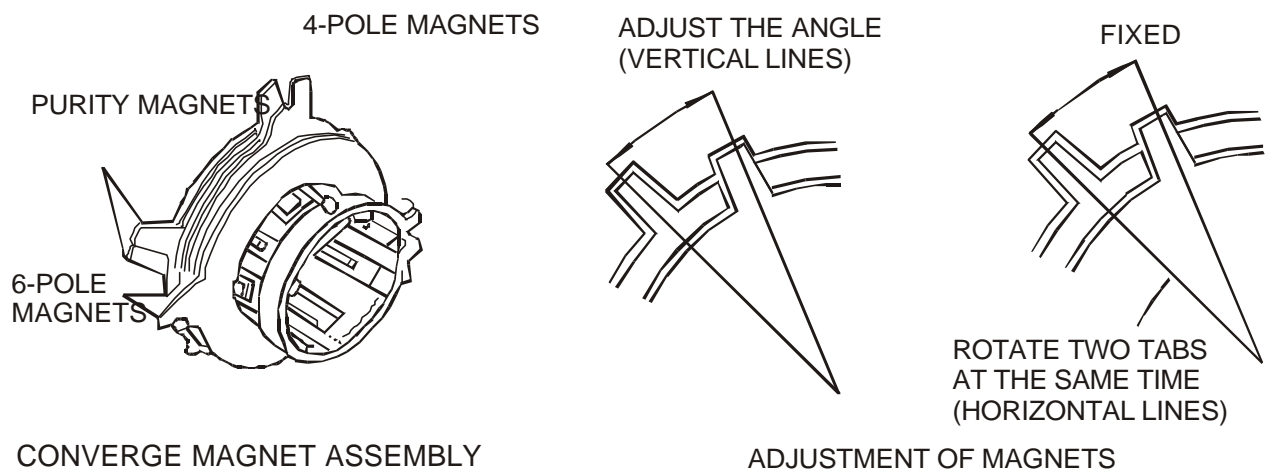
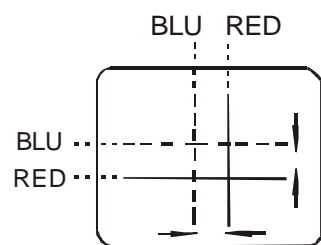
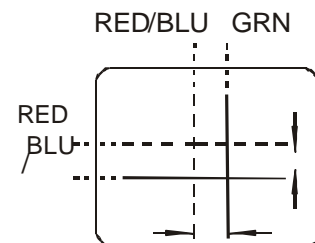


Figure 9

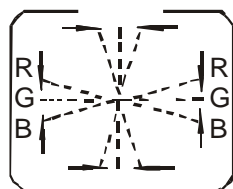


4-Pole Magnets Movement

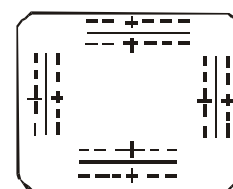


6-Pole Magnets Movement

Center Convergence by Convergence Magnets



Incline the Yoke up (or down)



Incline the Yoke right (or left)

Circumference Convergence by DEF Yoke

Fig .10 Dot movement Pattern

FACTORY ADJUSTMENT MODE:

HOW TO ACCESS THE SERVICE MODE

1. First press the VOLUME "-" button in the TV set until the volume turn to zero.
2. Keep pressing this button, then press the "status" button on the remote control, then you can access the service mode. Use the [MENU], [CH UP], [CH DOWN], [VOL UP] or [VOL DOWN] button to highlight the item to set, which is displayed in red. Other items are displayed in white.
3. Finally, press the 'PP' button to log out of the service mode.

Attention:

- (1) In case the user should forget the password that has been entered, there is a "built-in" password, that will always work: 512.
- (2) The data marked with "#" are not allowed to change.

- Press [MENU] to display the Service 1 MENU.

Service 1	
RF AGC	24
V SC	08
H Position 50	10
V Position 50	04
V Size 50	17
V Linearity 50	0B
H Position 60	0F
V Position 60	04
V Size 60	16
V Linearity 60	0A
Bright Max	58
Bright Min	28
Sub Tint	50
PIF VCO	# 80

- Press [CHANNEL UP OR DOWN] to select the highlighted item, then [VOL DOWN], or [VOL UP] to increase or decrease the setting. The data is written to EEPROM.
- TB1238AN Adjustment Items
 - Rf AGC: Selects RF AGC adjustment setting is 24 in the range 00 to 3F.
 - V SC: Selects vertical s-correction adjustment setting is about 08 in the range 00 to 0F.
 - H Position50: Selects horizon position 50 adjustment setting is 10 range 00 to 1F.
 - V POS 50: Selects vertical position 50 adjustment setting is 04 in the range 00 to 07.
 - V Size 50: Selects vertical size 50 adjustment setting is 17 in the range 00 to 3F.
 - V Linearity50: Selects vertical linearity 50 adjustment. Setting is 0B in the range 00 or 0F.
 - H Position60: Selects horizon position 60 adjustment setting is 0F range 00 to 1F.
 - V POS 60: Selects vertical position 60 adjustment setting is 04 in the range 00 to 07.
 - V Size 60: Selects vertical size 60 adjustment setting is 16 in the range 00 to 3F.
 - V Linearity60: Selects vertical linearity 60 adjustment. Setting is 0A in the range 00 or 0F.
 - Brightn Max: Selects brightness maximum adjustment . Setting is 58 in the range from 00 to 7F.
 - Bright Min: Selects brightness minimum adjustment. Setting is 28 in the from 00 to 58.
 - Sub Tint: Selects sub tint adjustment setting is 50 in the from 00 to 7F.
 - PIF VCO: Selects PIF VCO adjustment setting is 80 in the from 00 to FF.

- Press [MENU] to display the Service 2 MENU.

Service 2	
Logo	CONTEC
RGB Contrast	30
Sub Contrast	06
Secam B-Y	08
Secam R-Y	07
Time	#0B
PREFM	#00
PRE NICAM	#00
PRE LINE IN	#00
DRAG MULTIPLE	#0C
DRAG BASE	#04
Hi Voltage	#FF
Bus Off	#01
VCO Coarse	#00
VCO Fine	#00

● Press [CHANNEL UP OR DOWN] to select the highlighted item, then [VOL DOWN],or [VOL UP] to increase or decrease the setting, The data is written to EEPROM.

● **TB1238AN Adjustment Items**

Logo -----: Selects logo adjustment setting is thirteen characters.

RGB Contrast: Selects RGB contrast adjustment setting is 30 in the range 00 to 3F.

Sub Contrast: Selects sub contrast adjustment setting is about 06 in the range 00 to 0F.

SECAM B Y: Selects secam B-Y adjustment setting is 08 range 00 to 0F.

SECAM R Y: Selects secam R-Y adjustment setting is 07 in the range 00 to 0F.

Time: Selects time of station tuning adjustment setting is 0B in the range 00 to 1F.

PRE FM: Selects pre-FM adjustment. Setting is 00 in the range 00 or 1F.

PRE NICAM: Selects pre-NICAM adjustment . Setting is 00 in the range from 00 to 1F.

PRE LINE IN: Selects pre-line in adjustment. Setting is 00 in the from 00 to 0F.

DRAG MULTIPLE: Selects drag multiple of AFT adjustment setting is 0C in the from 00 to 0F.

DRAG BASE: Selects drag base of AFT adjustment setting is 04 in the from 00 to 0F.

Hi Voltage: Selects X-RAY protection level adjustment. Setting is FF in the from 00 to FF.

Bus Off: Selects I2C bus control adjustment setting is 01 in the from 00 to 01.

VCO Coarse L1: Selects VCO coarse L1 adjustment setting is 00.

VCO Fine L1: Selects VCO fine L1 adjustment setting is 00.

● Press [MENU] to display the Service 3 MENU.

Service 3		
H Size 50	--	
Parabola 50	--	
Trapezium 50	--	
H Size 60	--	
Parabola 60	--	
Trapezium 60	--	
Corner	--	
H EHT	--	
V EHT	--	

Attn.: There is no ADJUSTMENT on this chassis.

● Press [MENU] to display the Service4 MENU.

Service 4		
option 0	#80	
Option 1	#19	
Option 2	#98	
Option 3	#C6	
Option 4	#21	
option 5	#86	
option 6	#3C	
HPOS OSD	14	
VPOS OSD	01	
HPOS TXT	40	
VPOS TXT	0C	
TXT CONTRAST	2A	
G2 Adjust	00	
Mix Value	3F	

● Press [CHANNEL UP OR DOWN] to select the highlighted item, then [VOL DOWN],or [VOL UP] to increase or decrease the setting, The data is written to EEPROM.

● **TB1238AN Adjustment Items**

HPOS OSD: Selects OSD horizontal position adjustment setting is 14 in the range 00 to FF.

VPOS OSD: Selects OSD vertical position adjustment setting is about 01 in the range 00 to 3F.

HPOS TXT: Selects teletext horizontal position adjustment setting is 40 range 00 to FF.

VPOS TXT: Selects teletext vertical position adjustment setting is 0C in the range 00 to 3F.

TXT CONTRAST: Selects screen adjustment setting is 2A in the range 00 to 3F.

G2 Adjust: Selects screen adjustment setting is 00 in the range 00 to 01.

Mix Value: Selects sharpness maximum adjustment. Setting is 3F in the range 00 or FF.

Sync Value: Selects synchronours timing value adjustment. Setting is 55 in the from 00 to FF.

Option byte 0

The following options are available in option byte 0:

bit 7	bit 6	bit 5	bit 4 bit3	bit 2	bit1 bit 0
NTSC Comb SW (N-com)	H-out stop (H-STP)	Forced ID ON (FID)	ABL Gain	ID sensitivity switching(id sw)	ABL start point
0 = ON 1 = OFF	0 = Normal 1 = H-out stop & low RGB output	0 = Normal 1 = Killer on Fixed System (This function doesn't work on Auto1 & Auto2 mode.)	00: -0.74V 01: -0.64V 10: -0.37V 11: -0.12V	0:normal mode 1:low mode (This function works on only for NTSC mode.)	00: -0.01V 01: -0.11V 10: -0.3V 11: -0.45V
Preset: OFF	Preset: Normal	Preset: Normal	Preset: -0.37V	Preset: Normal	Preset: -0.01V

Table 0 Option byte 0 definitions

Option Byte 0 adjustment setting are 80hex.

Option byte 1

The following options are available in option byte 1:

bit 7	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1	bit 0
S-Video	RF NTSC	-	Stereo (Balance)	Secam function	Super Sense	STV8203	Custom Logo
0 = AV1 1 = AV2	0 = OFF 1 = ON	-	0 = OFF 1 = ON	0 = OFF 1 = ON	0 = OFF 1 = ON	0 = OFF 1 = ON	0 = OFF 1 = ON
	Preset: OFF	-	Preset: OFF	Preset: ON	Preset: OFF	Preset: ON	Preset: ON

Table 1 Option byte 1 definitions

The setmaker's logo can only be displayed if memory bank 1 is present. If this bank is present, displaying the logo can disabled by setting bit 0 high. If the memory bank is present and bit 1 is set, then the logo will be displayed for 15 seconds, after a cold start only.

NOTE: If no text is defined for the logo in memory bank 1, this option should always be 1

Option Byte 1 adjustment setting are 19hex.

Option byte 2

The following options are available in option byte 2:

bit7	bit6	bit5 bit4 bit3	bit2	bit1	bit0
PIF overmod	Secam adj	IF freq	AFT ON	BGP P	Ym enb
0 = OFF 1 = ON	0: Normal 1: Secam black level alignment mode	000: 58.75MHz 001: 45.75MHz 010: 39.5MHz 011: 38.9MHz 100: 38MHz 101: 34.47MHz 110: 33.95MHz 111: 33.9MHz	0: Normal 1: AFT Mute off	0: Normal 1: 1.5us	0: 0~0.8V TV more than 0.8V OSD 1: 0~0.8V TV 0. 8~2.4V Half Tone more than 2.4V OSD
Preset: ON	Preset: Normal	Preset: 100	Preset: Normal	Preset: 0	Preset: 0

Table 2 Option byte 2 definitions

Option Byte 2 adjustment setting are 98hex.

Option byte 3

The following options are available in option byte 3:

bit 7	bit 6	bit 5	bit 4	bit3	bit 2	bit1	bit 0
1238 setting	WPS (white Peak Suppressor)	Blanking SW (BLK)	CW SW	Market France set	S-Video in	Mute Logic	Surround process
0: OFF 1: ON	0: ON 1: OFF	0:BLK ON 1:BLK OFF	0:Auto 1:4.43MHz	0: OFF 1: ON	0: OFF 1: ON	0: OFF 1: ON	0: OFF 1: ON
Preset: OFF	Preset: ON	Preset: OFF	Preset: Auto	Preset: OFF	Preset: ON	Preset: ON	Preset: OFF

Table 3 Option byte 3 definitions

Option Byte 3 adjustment setting are C6hex.

Option byte 4

The following options are available in option byte 4.

bit 7	bit 6	bit 5	bit 4	bit3	bit 2	bit1	bit 0
Woofers precess	Audio processor	Volume L_R	Zwelon Selected	RGB	S-Video	AV2	AV1
0: Off 1: On	0: Off 1: On	0: Off 1: On	0: Off 1: On	0: Off 1: On	0: Off 1: On	0: Off 1: On	0: Off 1: On
Preset: Off	Preset: Off	Preset: On	Preset: 0	Preset: 0	Preset: 0	Preset: 1	Preset: 1

Table 4 Option byte 4 definitions

Option Byte 4 adjustment setting are 21hex.

Option byte 5

The following options are available in option byte 5.

bit 7	bit6	bit 5	bit 4	bit3	bit2	bit1	bit 0
-		Nicam	EHT protect	Option Language Treat Table			
-		0: Off 1: On	0: Off 1: On	Language Treat Table			
-		Preset: 1	Preset: 1				

Table 5 Option byte 5 definitions

Option Byte 5 adjustment setting are 86hex.

In option byte 5, the bits 0, 1 and 2 form a number between 0 and 7.

bit 3	bit 2	bit 1	bit 0	
Op Language Treat Table				Option teletext character
0	0	0	0	English, French, Swedish, Turkish, German, Portuguese, Italian & Rumanian
0	0	1	0	Polish, French, Estonian, Czech, German, Serbain, Lettish & Rumanian
0	1	0	0	English, French, Swedish, Czech, German, Portuguese, Lettish & Rumanian
0	1	1	0	English, French, Swedish, Turkish, German, Portuguese, Lettish & Rumanian

Table 5.1 Option byte 5 definitions

Option byte 6

The following options are available in option byte 6.

bit 7	bit 6	bit 5	bit 4	bit3	bit 2	bit1	bit 0
MN	I	DK	BG	POWER	ST TEXT		
0: Off 1: On	0: Off 1: On	0: Off 1: On	0: Off 1: On	0: Off 1: On	0: Off 1: On		
Preset: 0	Preset: 0	Preset: 1	Preset: 1	Preset: 1			

Table 6 Option byte 6 definitions

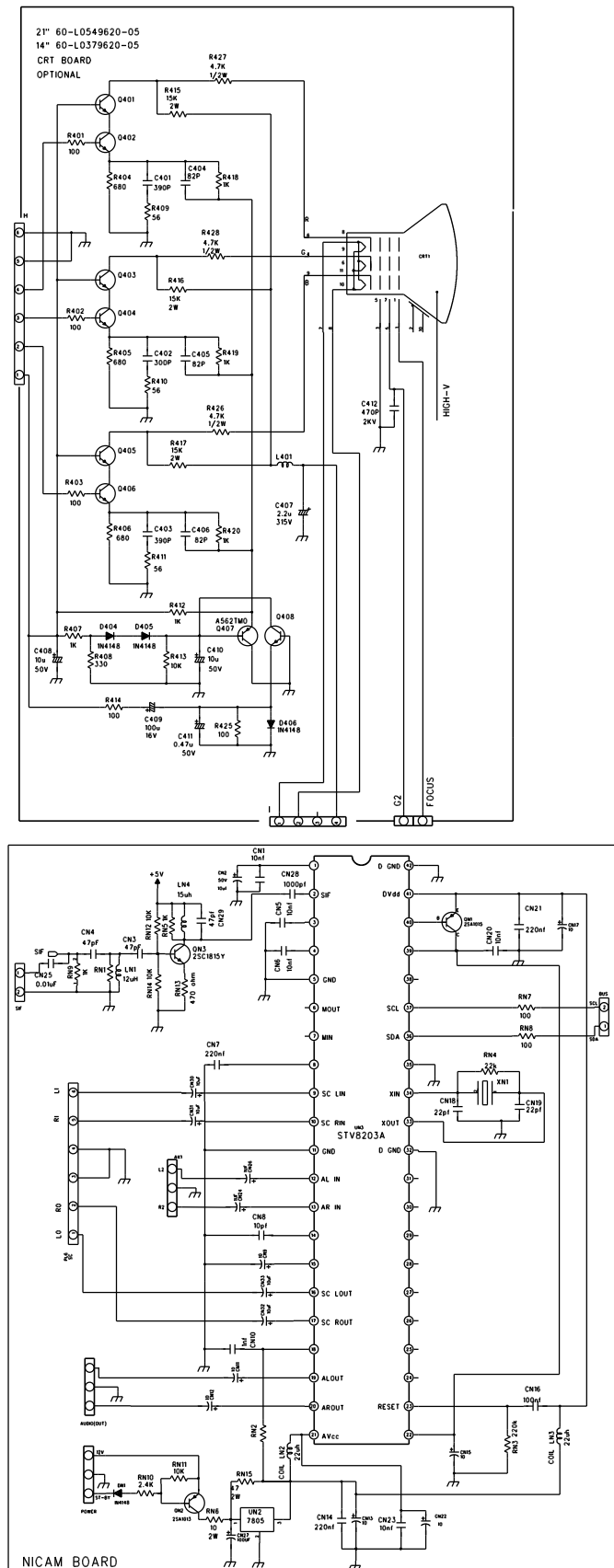
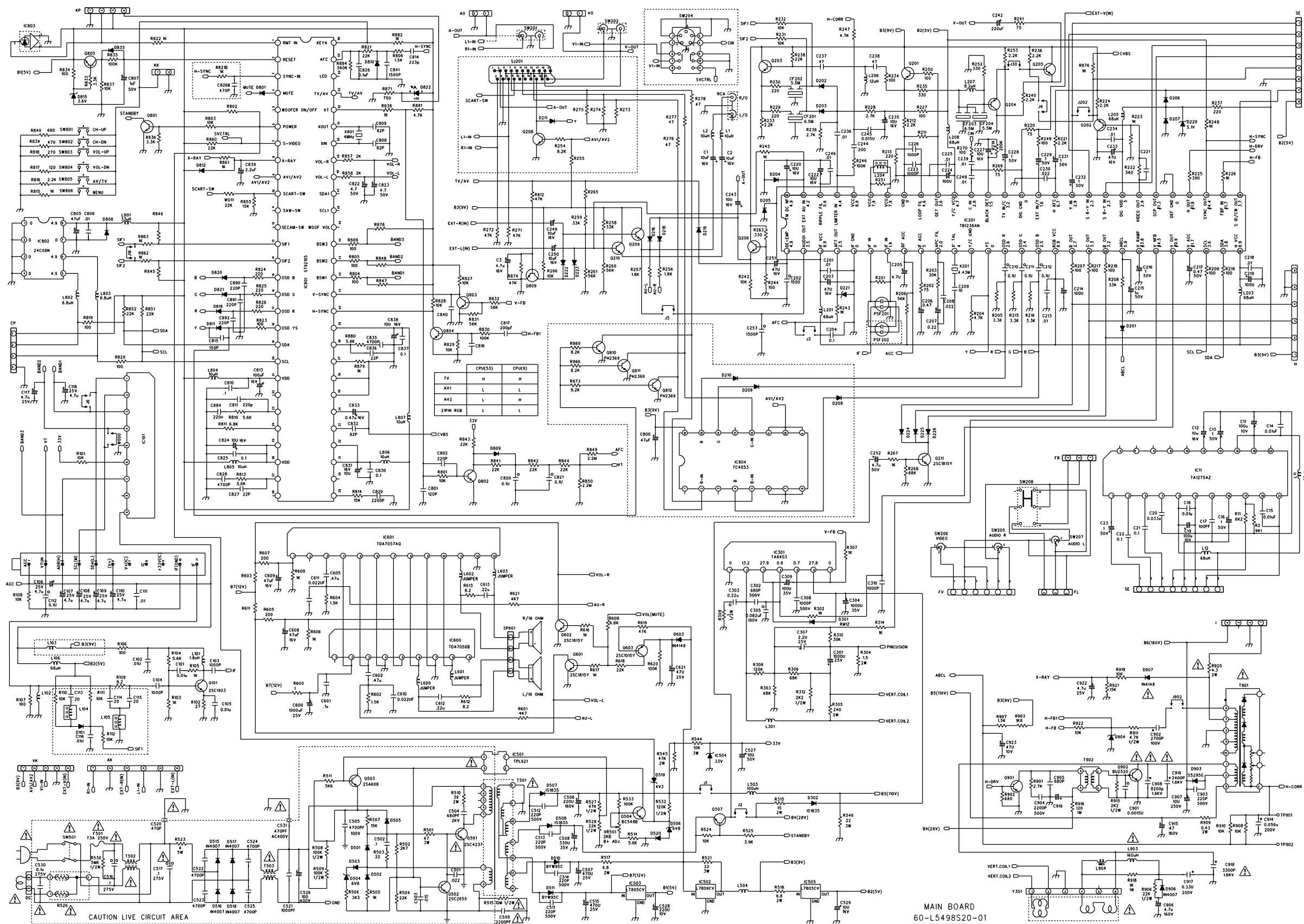
Option Byte 0 adjustment setting are 3Chex.

Specifications:

<u>Model</u>	Refer to the Back Plate of the TV unit				
Power Rating	Refer to the Back Plate of the TV unit				
Power Consumption (at 220V 50Hz)	Refer to the Back Plate of the TV unit				
CRT	14” (370mm) 90° Deflection Angle	21” (540mm) 90° Deflection Angle			
Tuning System	Voltage Synthesizing Style				
Antenna Impedance	75 Ohm, Unbalanced				
Color System	PAL/ SECAM/ NTSC3.58/ NTSC4.43 (option)				
System (RF) (option)	<u>System</u>	<u>Channel</u>	<u>VHF</u>	<u>UHF</u>	<u>CATV</u>
	PAL B/G	CCIR	2 – 12	21 – 69	X-Z+2, S1– S41
	PAL D/K	CHINA	1 – 12	13 – 57	Z-1 – Z-38
	SECAM B/G	CCIR	2 – 12	21 – 69	X – Z+2, S1 – S41
	SECAM D/K	OIRT	1 – 12	21 – 69	---
Video/Audio Input Terminals	Video Input: RCA type - 1Vp-p, 75 Ohm S-Video: Y/1.0V, 75 Ohm C/0.3V, 75 Ohm Audio Input: RCA type – 400mV				
Monitor Output Terminals	Video Output: RCA type - 1Vp-p, 75 Ohm Audio Output: RCA type – 400Mv				
Audio Output:	Main Speaker: 1.5+1.5W(FOR 14”) ; 3+3W(FOR 21”) (option)				

Attn.: All designs and specifications are subject to change without any prior notice; dimensions and net weight are of approximate values.

Do not attempt to fix or disassemble the unit; otherwise, you may be electrically shocked or it would catch fire easily.



Model Number: CE-5429 21" CTV (FRONT CABINET :01-02046XXX-XX)

Parent Code: VS-5429TST-05

Last Update ECN : DEC-18378

Level	Part Number	Description		Ls ECN	C/O	Qty	UOM	Remarks	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MODEL	VS-5429TST-05	PAL BG/DK SECAM AC220V STTXXT-1PG, MONO, FRONT AV IN, BACK SCART, 100CH W/ 'SAMS					ST		
		UNG' CRT.							
1	# CU-5429TST-02	COMMON PARTS UNIT - 'MAGNUM' W/CE				1.0000	ST		
.2	01-73190-00	FUSE COVER		CH		1.0000	PC		
.2	02-0104100A-00	TERMINAL PIN - (L=26.9MM X ID=2.2MM)				2.0000	PC	FOR R523	
.2	02-62054-07	HEAT SINK	MR-0464			1.0000	PC	FOR Q902 & IC301.	
.2	02-980390BC-00A	HEAT SINK	MR-0464			1.0000	PC	FOR Q501.	
.2	04-39750-10	M 3 X 10 B/H (+) MACHINE SCREW	HK			4.0000	PC	1 PC FOR Q501.	
								1 PC FOR IC600.	
								1 PC FOR Q902.	
								1 PC FOR IC301.	
.2	05-63050-00	M3 NUT	CH			4.0000	PC	FOR EACH MANCHINE SRREW.	
.2	06-00302-00	M3 SPRING WASHER	CH			4.0000	PC	FOR EACH MACHINE SCREW.	
.2	20-60203-00	EYELET 2 X 3	HK			7.0000	PC	3 PCS FOR T901.	
								4 PCS FOR T501.	
.2	20-70103-01	EYELET 1.5X3MM WITH COPPER-PLATE.				4.0000	PC	2 PCS FOR L903	
								2 PCS FOR L904	
.2	50-30526-07	PNP TRANSISTOR - 2SA608KG-NP-AA0	JP			1.0000	PC	Q0503	
.2	50-30737-08	TRANSISTOR 2SA1013-O	JP			1.0000	PC	Q0507	
.2	50-40706-06	TRANSISTOR 2SC1923-O	MR-0465			1.0000	PC	Q0101	
								ATTN.: B,C,E PIN IS DIFFERENCE.	
.2	50-40750-06	TRANSISTOR 2SC2655-Y	JP			1.0000	PC	Q0502	
.2	50-40764-01	TRANSISTOR (BUILT-IN RESISTOR - 22K) RN 1203	JP			1.0000	PC	Q0803	
.2	50-AG00547B-01	TRANSISTOR BC547B NPN TYPE.	HK			1.0000	PC	Q0504	
.2	50-AI001015-02	TRANSISTOR 2SA1015-Y				3.0000	PC	Q0202 Q0204 Q0805	

Model Number: CE-5429
Parent Code: VS-5429TST-05
21" CTV (FRONT CABINET :01-02046XXX-XX)

Last Update ECN : DEC-18378

Level	Part Number	Description		Ls ECN	C/O	Qty	UOM	Remarks			
CONT. >	CU-5429TST-02	COMMON PARTS UNIT - 'MAGNUM' W/CE				1.0000	ST				
.2	50-DY001015-01	TRANSISTOR TYP:A1015Y		MR-0469	CH	1.0000	PC	Q0603			
.2	50-DY001815-01	TRANSISTOR TYP:C1815Y		MR-0469	CH	7.0000	PC	Q0201	Q0203	Q0211	Q0801 Q0802 Q0804
.2	51-02004-40	ZENER DIODE - GZA12X (11.40 - 11.95V) PACKAGING : TAPE TYPE			CH	1.0000	PC	D0904			
.2	51-02023-40	ZENER DIODE CH05W5.1 - 5.1V 0.5W (4.97-5.18V)			CH	1.0000	PC	D0220			
.2	51-02060-56	ZENER DIODE 4A2 (3.6V, 0.5W)			CH	1.0000	PC	D0815			
.2	51-02082-05	ZENOR DIODE BZX79C 5V6 5.6V		MR-0469	HK	1.0000	PC	D0506			
.2	51-02088-05	ZENOR DIODE BZX79C 6V8 6.8V		MR-0469	HK	1.0000	PC	D0504			
.2	51-02089-05	ZENOR DIODE BZX79C 9V1 9.1V		MR-0469	HK	1.0000	PC	C0925			
ATTN: THE POSITIVE POLE CONNECTED TO THE GROUND.											
.2	51-03058-41	DIODE 1N4007			CH	4.0000	PC	D0515	D0516	D0517	D0518
.2	51-03071-05	DIODE BYV95B			HK	1.0000	PC	D0507			
.2	51-03075-68	RECTIFIER DIODE - FR154			HK	3.0000	PC	D0508	D0510	D0511	
.2	51-03079-71	RECTIFY DIODE. TYPE: FR104		MR-0469	HK	4.0000	PC	D0301	D0302	D0501	D0903
.2	51-08001-23	DIODE 1N4148			IT	15.0000	PC	D0201	D0205	D0206	D0207 D0224 D0225 D0226
ATTN:DIODE CONNECTED TO R835 ON THE BOTTOM SIDE,											
AND THE POSITIVE PIN CONNECTED TO C807.											
.2	52-A1220EJ12-AP	22 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				1.0000	PC	R0503			
.2	52-A1270EJ12-AP	27 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				1.0000	PC	R0102			
.2	52-A1750EJ12-AP	75 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				2.0000	PC	R0107	R0202		
.2	52-A2100EJ12-AP	100 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			CH	10.0000	PC	R0106	R0207	R0209	R0217 R0218 R0219 R0234
R0250 R0823 R0834											
.2	52-A2150EJ12-AP	150 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			CH	1.0000	PC	R0235			
.2	52-A2220EJ12-AP	220 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			CH	2.0000	PC	R0213			R0237

Model Number: CE-5429
Parent Code: VS-5429TST-05
21" CTV (FRONT CABINET :01-02046XXX-XX)

Last Update ECN : DEC-18378

Level	Part Number	Description			Ls ECN	C/O	Qty	UOM	Remarks		
-----	-----	-----	-----	-----	-----	---	---	---	-----	-----	-----
CONT.>	CU-5429TST-02	COMMON PARTS UNIT - 'MAGNUM' W/CE					1.0000	ST			
.2	52-A2330EUJ12-AP	330 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	1.0000	PC	R0252		
.2	52-A2430EUJ12-AP	430 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	1.0000	PC	R0902		
.2	52-A2560EUJ12-AP	560 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	1.0000	PC	R0225		
.2	52-A3100EUJ12-AP	1 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	10.0000	PC	R0103	R0105	R0222
									R0505	R0838	R0856
.2	52-A3100FUJ12-AP	1 KOHM 1/4W +-5% CARBON FILM RESISTOR (RT14 TYPE)				CH	3.0000	PC	R0302	R0307	R0314
.2	52-A3220EUJ12-AP	2.2 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	4.0000	PC	R0212	R0224	R0233
											R0236
.2	52-A3220FUJ12-AP	2.2 KOHM 1/4W +-5% CARBON FILM RESISTOR (RT TYPE)				CH	1.0000	PC	R0915		
.2	52-A3270EUJ12-AP	2.7 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	1.0000	PC	R0502		
.2	52-A3270GUJ12-AP	2.7 KOHM 1/2W +-5% CARBON FILM RESISTOR (RT15 TYPE)					1.0000	PC	R0901		
.2	52-A3330EUJ12-AP	3.3 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)					5.0000	PC	R0205	R0215	R0216
											R0506
.2	52-A3470EUJ12-AP	4.7 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	1.0000	PC	R0204		
.2	52-A3560EUJ12-AP	5.6 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	3.0000	PC	R0104	R0511	R0514
.2	52-A3680EUJ12-AP	6.8 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	1.0000	PC	R0608		
.2	52-A4100EUJ12-AP	10 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	12.0000	PC	R0221	R0268	R0524
									R0829	R0837	R0908
										R0910	R0922
.2	52-A4150EUJ12-AP	15 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)					2.0000	PC	R0507	R0855	
.2	52-A4220EUJ12-AP	22 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)					8.0000	PC	R0238	R0504	R0618
											R0841
											R0842
											R0844
											R0851
.2	52-A4220GUJ12-AP	22 KOHM 1/2W +-5% CARBON FILM RESISTOR (RT15 TYPE)					1.0000	PC	R0843		
.2	52-A4220GUJ12-AX	22 KOHM 1/2W +-5% CARBON FILM RESISTOR (RT15 TYPE)				CH	1.0000	PC	R0528		
.2	52-A4300EUJ12-AP	30 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)					1.0000	PC	R0203		
.2	52-A4330EUJ12-AP	33 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				CH	1.0000	PC	R0208		
.2	52-A4390FUJ12-AP	39 KOHM 1/4W +-5% CARBON FILM RESISTOR (RT14 TYPE)					1.0000	PC	R0303		

Model Number: CE-5429 21" CTV (FRONT CABINET :01-02046XXX-XX)
Parent Code: VS-5429TST-05 Last Update ECN : DEC-18378

Level	Part Number	Description		Ls ECN	C/O	Qty	UOM	Remarks	
-----	-----	-----	-----	-----	---	---	---	-----	-----
CONT.>	CU-5429TST-02	COMMON PARTS UNIT - 'MAGNUM' W/CE				1.0000	ST		
.2	52-A4470EJ12-AP	47 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			CH	2.0000	PC	R0619	R0836
.2	52-A4470GJ12-AP	47 KOHM 1/2W +-5% CARBON FILM RESISTOR (RT15 TYPE)				1.0000	PC	R0527	
.2	52-A4560EJ12-AP	56 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				3.0000	PC	R0108	R0206 R0832
.2	52-A4680EJ12-AP	68 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				1.0000	PC	R0267	
.2	52-A4820EJ12-AP	82 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				2.0000	PC	R0306	R0310
.2	52-A5100EJ12-AP	100 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			CH	3.0000	PC	R0620	R0830 R0835
.2	52-A5100GJ12-AP	100 KOHM 1/2W +-5% CARBON FILM RESISTOR (RT15 TYPE)			CH	2.0000	PC	R0508	R0509
.2	52-A5120GJ12-AP	120 KOHM 1/2W +-5% CARBON FILM RESISTOR (RT15 TYPE)				1.0000	PC	R0532	
.2	52-A5200EJ12-AP	200 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				1.0000	PC	R0214	
.2	52-A5220FJ12-AP	220 KOHM 1/4W +-5% CARBON FILM RESISTOR (RT14 TYPE)				1.0000	PC	R0308	
.2	52-B0680GJ12-AP	6.8 OHM 1/2W +-5% METAL OXIDE RESISTOR (RY15 TYPE)				1.0000	PC	R0518	
.2	52-B0680JUE1-AP	6.8 OHM 2W +-5% METAL OXIDE RESISTOR (RY17/PREFORMED MK TYPE)				1.0000	PC	R0517	
.2	52-B1100JUE1-AP	10 OHM 2W +-5% METAL OXIDE RESISTOR (RY17 TYPE) (PREFORMED)				1.0000	PC	R0315	
.2	52-B1220JUE1-AP	22 OHM 2W +-5% METAL OXIDE RESISTOR (RY17 TYPE) (PREFORMED)				1.0000	PC	R0521	
.2	52-B1390JUE1-AP	39 OHM 2W +-5% METAL OXIDE RESISTOR (RY17 TYPE) (PREFORMED)				1.0000	PC	R0510	
.2	52-B2120JUE1-AP	120 OHM 2W +-5% METAL OXIDE RESISTOR (RY17 TYPE) (PREFORMED)				1.0000	PC	R0001	
.2	52-B3100JUD1-AP	1 KOHM 1W +-5% METAL OXIDE RESISTOR (RY16 TYPE) (PREFORMED)				1.0000	PC	R0918	
.2	52-B3240GJ12-AP	2.4 KOHM 1/2W +-5% METAL OXIDE RESISTOR (RY15 TYPE) (PREFORMED)				1.0000	PC	R0525	
.2	52-B4100JUE1-AP	10 KOHM 2W +-5% METAL OXIDE RESISTOR (RJ17 TYPE) (PREFORMED)				1.0000	PC	R0544	
.2	52-B4470JUD1-AP	47 KOHM 1W +-5% METAL OXIDE FILM RESISTOR TYPE: RY16-1W-47K OHM.				1.0000	PC	R0545	
.2	52-C0400NK11-B	4 OHM 5W +-10% NON-INFLAMMABLE RESISTOR (SQP TYPE)	MR-0456	CH		1.0000	PC	R0523	
.2	52-C1470LJ11-BG	47 OHM 3W +-5% CEMENT WIREWOUND RESISTOR	MR-0456			1.0000	PC	R0501	
.2	52-D0043JUD1-AP	0.43 OHM 1W +-5% FUSIBLE RESISTOR (RF10-CA TYPE)				1.0000	PC	R0909	
.2	52-D0150JUD1-AP	1.5 OHM 1W +-5% FUSIBLE METAL FILM RESISTOR				1.0000	PC	R0304	

Model Number: CE-5429
Parent Code: VS-5429TST-05
21" CTV (FRONT CABINET :01-02046XXX-XX)

Last Update ECN : DEC-18378

Level	Part Number	Description			Ls ECN	C/O	Qty	UOM	Remarks		
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CONT.>	CU-5429TST-02	COMMON PARTS UNIT - 'MAGNUM' W/CE					1.0000	ST			
.2	! 52-I1120AM41-BI	12 OHM +-20% 3 PIN PTC THERMISTOR TYPE:WZ73-G120M1				CH	1.0000	PC	R0526		
.2	! 52-K7100GJ12-C	10 MOHM 1/2W +-5% METAL GLAZED FILM RESISTOR (VR37 TYPE) (2322 242 13106)									
					TW		1.0000	PC	R0515		
.2	52-Q5100GJ11-BH	100 KOHM 1/2W +-5% GLASS GLAZERESISTOR					1.0000	PC	R0533		
.2	53-203MLEHNA-G	2 KOHM +-20% 0.2W CEREMIC GLAZE VARIABLE RESISTOR (TYPE:W106-1-2)									
							1.0000	PC	VR0501		
.2	54-A42200FM1-AN	0.22 UF 50V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)					1.0000	PC	C0207		
.2	54-A44700FM1-AF	0.47 UF 50V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)				CH	2.0000	PC	C0206	C0217	
.2	54-A51000FM1-AF	1 UF 50V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08				CH	7.0000	PC	C0215	C0216	C0228
										C0231	C0232
										C0807	C0919
.2	54-A54700CW1-AN	4.7 UF 16V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)					2.0000	PC	C0110	C0205	
.2	54-A54700FM1-AF	4.7 UF 50V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08									
					CH		1.0000	PC	C0252		
.2	54-A61000CW1-AN	10 UF 16V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)					3.0000	PC	C0220	C0222	C0227
											ATTN:THE NEGATIVE PIN CONNECT TO GROUND.
.2	54-A61000FM1-AN	10 UF 50V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)				CH	1.0000	PC	C0527		
.2	54-A61000JW1-AN	10 UF 250V +-20% ELECTROLYTIC CAPACITOR (CD110X TYPE)					1.0000	PC	C0907		
.2	54-A62200CW1-AF	22 UF 16V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08									
					CH		1.0000	PC	C0529		
.2	54-A64700CW1-AN	47 UF 16V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)				CH	4.0000	PC	C0203	C0224	C0233
										C0923	
.2	54-A64700DW1-AN	47 UF 25V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)				CH	1.0000	PC	C0621		
.2	54-A64700HW1-AS	47 UF 160V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)				CH	2.0000	PC	C0506	C0915	
.2	54-A71000CW1-AF	100 UF 16V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08									
					CH		2.0000	PC	C0214	C0219	

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Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
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CONT.>	CU-5429TST-02	COMMON PARTS UNIT - 'MAGNUM' W/CE			1.0000	ST	
.2	54-A71000FW1-AF	100 UF 50V +-20% ALUMINUM ELECTROLYTIC CAPACITOR (TYPE : CD11G, D.F.=0.08)					
			CH		1.0000	PC	C0309
.2	54-A71000KM1-X	100 UF 400V +-20% ELECTROLYTIC CAPACITOR (400VNSN100M22B)					
			HK		1.0000	PC	C0526
.2	54-A72200EM1-AF	220 UF 10V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08					
			CH		1.0000	PC	C0528
.2	54-A73300EM1-AF	330 UF 35V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08					
			CH		1.0000	PC	C0508
.2	54-A74700DM1-AN	470 UF 25V +-20% ELECTROLYTIC CAPACITOR (CD110X TYPE)			4.0000	PC	C0301
							C0507 C0515 C0600
.2	54-A74700EM1-AF	470 UF 35V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08					
			CH		1.0000	PC	C0304
.2	54-B01000FJ2-AA	10 PF 50V +-5% CERAMIC CAP. (C100J20SLF6FJ5A)			1.0000	PC	C0209
.2	54-B04700FJ2-AA	47 PF 50V +-5% CERAMIC CAP. (C470J22SLF6FJ5A)			2.0000	PC	C0237
			CH				C0238
.2	54-B11200FJ1-AA	120 PF 50V +-5% CERAMIC CAP. (C121J22SLF53L2)			1.0000	PC	C0801
.2	54-B12000FJ2-AA	200 PF 50V +-5% CERAMIC CAPACITOR (TYPE NO:C201J26SLF6J5) (TAPED FORM)					
			CH		1.0000	PC	C0817
.2	54-B12200FJ2-AA	220 PF 50V +-5% T.C. TYPE CERAMIC (TYPE NO.:C221J26SLF6FJ5A)			1.0000	PC	C0802
.2	54-B12200LK1-CI	220 PF 500V +-5% CERAMIC CAP. (CT1-05A-221K-2B4-500V-F5-B) TAPE FORM					
			MR-0469		4.0000	PC	C0511
							C0513 C0514 C0903
.2	54-B14700PK1-AK	470 PF 2KV +-10% CERAMIC CAPACITOR (CT81 TYPE)			1.0000	PC	C0512
.2	54-B15600PK1-AA	560 PF 2KV +-10% CERAMIC CAPACITOR (T561K34Y5PP63L7)			1.0000	PC	C0504
.2	54-B16800LK1-AA	680 PF 500V +-10% CERAMIC CAPACITOR			1.0000	PC	C0905
.2	54-B16800LK2-AA	680 PF 500V +-10 % CERAMIC CAP. (T681K22Y5PL6FJ5A)			1.0000	PC	C0302
.2	54-B21000FK1-BN	1000 PF 50V +-10% CERAMIC CAPACITOR (CT1 TYPE)			1.0000	PC	C0103
			MR-0456				
.2	54-B21000FK2-CI	1000PF 50V +-10% CERAMIC CAPACITOR			2.0000	PC	C0104
			MR-0469				C0308

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Level	Part Number	Description		Ls ECN	C/O	Qty	UOM	Remarks	
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	CU-5429TST-02	COMMON PARTS UNIT - 'MAGNUM' W/CE				1.0000	ST		
.2	54-B21000PK1-BN	1000 PF 2KV +-10% CERAMIC CAP. (TYPE NO.:CT81)	MR-0456	CH		1.0000	PC	C0521	
.2	54-B21500FK1-AA	1500 PF 50V +-10% CERAMIC CAPACITOR	MR-0456	CH		1.0000	PC	C0202	
.2	54-B24700LM1-BN	4700 PF 500V +-20% CERAMIC CAPACITOR (CT1 TYPE)	MR-0456			4.0000	PC	C0522 C0523 C0524 C0525	
.2	54-B31000FZ2-BN	0.01 UF 50V +80-20% CERAMIC CAPACITOR (CT1 TYPE)(IN TAPE FORM)				13.0000	PC	C0101 C0102 C0105 C0111 C0201 C0213 C0218	
								C0225 C0234 C0239 C0246	
								1 PC CONNECT 52 PIN OF IC0201 AND GROUND.	
								1 PC CONNECT 46 PIN OF IC0201 AND GROUND.	
.2	54-B41000FZ2-CI	100000PF 50V +80% -20% CERAMIC CAP	MR-0469			1.0000	PC	C0204	
.2	54-C21200GV1-CE	1200 PF 100V +-5% POLYESTER FILM CAPACITOR 2A122J	MR-0469	KO		1.0000	PC	C0310	
.2	54-C22200GK1-AH	2200 PF 100V +-10% POLYESTER FILM CAPACITOR (CL11 TYPE)				2.0000	PC	C0230 C0904	
.2	54-C23300GV1-CE	3300 PF 100V +-5% POLYESTER FILM CAPACITOR 2A332J	MR-0465	KO		1.0000	PC	C0902	
.2	54-C24700FK1-E	4700 PF 50V +-10% POLYESTER FILM CAPACITOR				1.0000	PC	C0505	
.2	54-C38200GK1-B	0.082UF 100V +-10% POLYSTYRENE FILM CAP	MR-0456	CH		1.0000	PC	C0305	
.2	54-C41000GV1-BP	0.1 UF 100V +-5% POLYESTER FILM CAPACITOR.	MR-0456	CH		8.0000	PC	C0112 C0210 C0211 C0212 C0226 C0502 C0820	
								C0821	
.2	54-C42200GV1-BF	0.22 UF 100V +-5% POLYESTER FILM CAPACITOR (HG TYPE) (2A224J)		KO		1.0000	PC	C0303	
.2	54-E35600IK1-BP	0.056 UF 200V +-10% NON-INDUCTIVE POLYPROPYLENE FILM CAPACITOR (CBB13 TYPE)							
								CH 1.0000 PC C0914	
.2	54-I52200DK1-AD	2.2 UF 25V +-10% TANTALUM CAP. (CA42 TYPE)		00		1.0000	PC	C0307	
.2	54-L21500FJ1-BP	1500 PF 50V +-5% POLYESTER FILM CAPACITOR (DER TYPE)(CL12 TYPE)							
			DEC-18193			1.0000	PC	C0901	
.2	54-L31500FJ1-BP	0.015 UF 50V +-5% NON-INDUCTIVE POLYESTER FILM CAPACITOR (CL12 TYPE)							
								CH 1.0000 PC C0503	
.2	54-L32200FJ1-AH	0.022 UF 50V +-5% NON-INDUCTIVE POLYESTER FILM CAPACITOR (CL12 TYPE)							

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Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
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CONT.>	CU-5429TST-02	COMMON PARTS UNIT - 'MAGNUM' W/CE			1.0000	ST	
			CH		3.0000	PC	C0208 C0501 R0831
.2	!	54-P14700KK11BA 470 PF 400VAC +-10% NON-POLAR CERAMIC CAP. (CT81-AC400V-B471-K-B) (VDE)					
			CH		2.0000	PC	C0520 C0531
.2	!	54-P22200KM11BA 2200 PF 400VAC +-20% NON-POLAR CERAMIC CAP. (CT81-AC400V-E222-M-B) (VDE)					
			CH		1.0000	PC	C0509
.2	!	54-T41000JK1-BX 0.1 UF 275VAC +-10% NON-POLAR METALLIZED POLYESTER FILM CAP. (MEX TYPE)					
			HK		3.0000	PC	C0516 C0517 C0530
.2		56-33800-00 80 MM BLACK (AWG 24) 1015 STRAND JUMPER WIRE	TW		1.0000	PC	ATTN.:ONE END TO SWELT PLATE,THE OTHER TO SHIELD
							CAN.
.2		58-25498-01 HORIZONTAL DRIVE TRANSFORMER - HB19F336			1.0000	PC	T0902
.2	!	58-75409-01 LINE FILTER (18 MH) - (TYPE NO.: LB01004)			1.0000	PC	T0502
.2	!	58-75498-01 LINE FILTER (40-55 MH) - (TYPE NO.: LB01005)			1.0000	PC	T0503
.2	!	58-95468C-01B SWITCHING POWER TRANSFORMER EC40 (KB01343)			1.0000	PC	T0501
.2		59-06411-02 1 UH +-10% PEAKING COIL - HORIZONTAL TYPE (TYPE NO. AL0305-1R0K)	CH		1.0000	PC	L0301
.2		59-06411-05 8.2 UH +-10% PEAKING COIL - HORIZONTAL TYPE (AL0305 TYPE)	CH		1.0000	PC	L0207
.2		59-08001-01 1.8 UH +-10% PEAKING COIL - HORIZONTAL TYPE (TYPE NO. AL0305-1R8K)CH			1.0000	PC	L0101
.2		59-08001-05 68 UH +-10% PEAKING COIL - HORIZONTAL TYPE (TYPE NO. AL0407-680K)	CH		5.0000	PC	L0201 L0203 L0205 L0208 L0504
.2		59-N2100K201-B 100 UH +-10% FIXED INDUCTOR (HIGH CURRENT 1A) (RL0608-101K)			1.0000	PC	L0503
.2		59-W0060J001-B 0.6 UH +-5% (10X10)MM IFT COIL DDYW0060J001	MR-0465		1.0000	PC	L0204
							DEC-18243 CH 1.0000 PC
.2	!	60-L5498S20-01A MAIN PCB					ATTN.: (1) L800,R861,R241,C248,J202,W1,W3,W823,R807
							R808,R877,C839, SHOULD BE REPLACED WITH
							BARE WIRE.
							(2) J1,J3,J6,J902 SHORT CIRCUIT.
							(3) DEL BARE WIRE J907,J906,J232,W035,J266.

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Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
CONT.>	CU-5429TST-02	COMMON PARTS UNIT - 'MAGNUM' W/CE	-----	---	1.0000	ST	-----
.2	61-W0001-02H	2-POLE WAFER - (TYPE NO.: TJCI-2A)			1.0000	PC	PLUG B
.2	61-W0004-04A	4-PIN WAFER (SC25-04WS)		JP	1.0000	PC	PLUG CP
.2	65-03005-32	FERRITE BEAD FB02		CH	1.0000	PC	L0905
.2	66-44331-10	CRYSTAL 4.43 MHZ HC18-U 'SHEN FENG'		CH	1.0000	PC	X0201
.2	66-68001-05A	TERRITE CORE - MN-ZN LIK HANG		CH	1.0000	PC	ATTN.: NEAR TO POWER SWITCH, RECL ON THE MAGNETIC
CIRCLE 3 TIMES.							
.2	67-90430-01	I.C. UPC574J		JP	1.0000	PC	IC0504
.2	67-AA001238-02	I.C. TB1238AN		JP	1.0000	PC	IC0201
.2	67-AA008403-01	I.C. TA8403K		JP	1.0000	PC	IC0301
.2	67-CJ007805-01	I.C. MC7805CT (PACKAGE: TO-220)		HK	2.0000	PC	IC0503 IC0505
.2	67-CJ007809-01	I.C. MC7809CT (PACKAGE: TO-220)		HK	1.0000	PC	IC0502
.2	69-02006-05	PHOTOCOUPLER - K1010C		HK	1.0000	PC	IC0501
.2	72-01097-01	FUSE T3.15A/250V (RT1-20-3.15A) (W/O VDE APPROVAL)			1.0000	PC	
.2	72-02001-06	FUSE HOLDER	MR-0460	HK	2.0000	PC	
.2	73-1AEF341N-01C	1-POLE MODULAR WIRE (L=340MM)	DEC-18263		1.0000	PC	
.2	73-6AEF401M-01T	6 POLE MODULAR WIRE.L=400MM	DEC-18072		1.0000	PC	PLUG H
1	# FU-5429TST-03	FRAME UNIT - 'MAGNUM'			1.0000	ST	
.2	01-0001300C-00	AC CORD CLAMP - W/BLACK MOULDED (ABS)			1.0000	PC	
.2	01-0007900D-00	PCB BRACKET - W/BLACK MOULDED (ABS) (94V-0)			1.0000	PC	
.2	01-0204800M-00	BOTTOM PLATE W/BLACK MOULDED			1.0000	PC	
.2	01-0225700N-00	21" BACK CABINET - W/BLACK MOULDED (94V-0 MATERIAL) SHORT TOSHIBA			1.0000	PC	
.2	01-0425100C-00	RUBBER WASHER - OD=22.ID=6 H=4	MR-0472		4.0000	PC	
.2	01-42646-05	CABLE TIE 4"		CH	10.0000	PC	
.2	01-42648-00	CABLE TIE L=200MM W=2.5MM			1.0000	PC	

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CONT.>	FU-5429TST-03	FRAME UNIT - 'MAGNUM'				1.0000	ST	
.2	01-73855-00	POWER SWITCH COVER			CH	1.0000	PC	
.2	01-9901500D-00	FORK (MATERIAL: ABS/94V-0)				1.0000	PC	
.2	02-0001900H-00	POWER KNOB SPRING				1.0000	PC	
.2	02-0204400A-00	SHIELD CAN -TOP		DEC-18060		1.0000	PC	
.2	02-0204500A-00	SHIELD CAN -BOTTOM		DEC-18060		1.0000	PC	
.2	02-70617-00	WIRE LUG			CH	2.0000	PC	
.2	04-33690-10	T 3 X 10 W/H (+) SELF TAPPING SCREW 'HARDENED'			HK	5.0000	PC	FOR MAIN PCB MTG.
.2	04-43790-12	T 4 X 12 B/H (+) SELF TAPPING SCREW "HARDENED"			CH	8.0000	PC	FOR SPEAKER & FRONT CABINET MTG.
.2	04-43790-18	T 4 X 18 B/H (+) SELF TAPPING SCREW "HARDENING"			CH	24.0000	PC	6 PCS FOR FRONT & BACK CABINET MTG.
								6 PCS FOR FRONT & BOTTOM CABINET MTG.
								12 PCS FOR FRONT & CRT BRACKET MTG.
.2	05-66100-03C	M6 NUT (HARDENED)				4.0000	PC	
.2	06-00651-04A	PLAIN WASHER.				4.0000	PC	
.2	07-40167-00	GROUNDING WIRE SPRING ID=7		DEC-18288	CH	2.0000	PC	
.2	10-10597-00	SERIAL NO. LABEL FOR TV (3 PCS./KIT)				1.0000	KT	
.2	10-20955-01	CAUTION LABEL - (W/RIGHT DIRECTION ARROW) ENGLISH			HK	1.0000	PC	
.2	13-0209300A-02	ANT. HOLE COVER W/WHITE ENGLISH SILKSCREEN 75 OHM ANT.				1.0000	PC	
.2	13-0402100A-00	PVC INLAY FOR SHIELD CAN - BOTTOM W/0 SILKS GREEN (110MM X 72 MM)						
				DEC-18060		1.0000	PC	
.2	13-30603-00	FIBRE WASHER (UL) 3.5X14.2X0.8			HK	1.0000	PC	FOR FBT BRACKET & PCB BRACKET MTG.
.2	13-60961-00	FELT FOR SPEAKER BOX			CH	4.0000	PC	FOR FRONT CABINET.
.2	13-70972-00	FIBRE WASHER 22X10.5X1.2			CH	4.0000	PC	FOR CRT & CRT BRACKET MTG.
.2	13-9800400F-00	SPONGE 20X10X1.5MM				20.0000	PC	FOR BACK CABINET.
.2	14-21061B-00	POLYFOAM FOR 21" CTV (4 PCS/KIT)		MR-0467		1.0000	KT	

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CONT.>	FU-5429TST-03	FRAME UNIT - 'MAGNUM'	-----	---	1.0000	ST	-----
.2	14-50814-00	POLY BAG FOR 20" / 21" TV UNIT 0.07 X 44" X 37" (W/6 HOLES D=1.2")	CH		1.0000	PC	
.2	14-70709-00	POLY BAG 0.05 X 9" X 13"	CH		1.0000	PC	
.2	14-90915-00	COTTON SHEET FOR 21" (760MM X 320MM X 0.5MM)			1.0000	PC	
.2	21-10067-00	UL/CSA PVC TUBE I.D.=3.25MM AWG#8 300V 105C	KO		0.0800	M	
.2	21-10068-00A	KNITTED WIRE FOR 14" THRU 21" CTV	DEC-18288		1.2000	M	
.2	21-10076-00A	UL/CSA PVC TUBE ID=6.68MM TRANSPARENT AWG2 300V 105C	DEC-18288		0.7000	M	
1	# NU-5429TST-A01	CORRELATION PARTS UNIT - 'MAGNUM'			1.0000	ST	
.2	01-0010600C-00	NAME PLATE - 'MAGNUM' W/SILVER HOT STAMPING (36MM X 4MM) FOR 14" - 21" USE			1.0000	PC	
.2	# 10-20742-00	INSTRUCTION BOOKLET- 'MAGNUM' CE-5429 ENGLISH ('TOSHIBA CHASSIS)			1.0000	PC	
.2	# 13-0004100A-184	BACK PLATE - 'MAGNUM' CE-5429 AC220V 50HZ 75W ENGLISH			1.0000	PC	
.2	# 14-21068-00	CARTON BOX - 21" 'MAGNUM' CTV-2120 TXT (LARGER)(SIZE:655X550X528MM)			1.0000	PC	
1	# NU-5429TST-B01	MECH PARTS UNIT - 'MAGNUM'	MR-0424		1.0000	ST	
.2	01-0204600M-02	21" FRONT CABINET W/SILVER WHITE (11082) SPRAY W/BLACK SILKS. ENG.('TOSHIBA			1.0000	PC	
.2	01-0204900G-00	LED AND RECEIVER LENS TRANSPARENT CLEAR	DEC-17330		1.0000	PC	
.2	01-0205000C-01	PUSH KEY CAP - W/CHROME PLATE			6.0000	PC	
.2	01-0205100C-00	FUNCTION KNOB - W/NATURAL MOULDED			1.0000	PC	
.2	# 01-0205200C-02	POWER KNOB - W/SILVER (11082) SPRAY	MR-0459		1.0000	PC	
.2	01-0205300C-01	DECORATION BAR W/BLUE SPRAY (8181C)			1.0000	PC	
.2	01-0205400C-00	POWER SWITCH ADAPTOR W/BLACK MOULDED			1.0000	PC	
.2	01-0206300C-01	LONG STICK W/CHROME PLATE	DEC-17433		2.0000	PC	
.2	01-23565-00	LOCATOR - BLACK MOULDED (HIPS)	CH		2.0000	PC	

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Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
CONT.>	NU-5429TST-B01	MECH PARTS UNIT - 'MAGNUM'			1.0000	ST	
.2	02-00018A0H-00	CRT MTG BRACKET - (H=20MM)	MR-0463		4.0000	PC	
.2	04-33690-10	T 3 X 10 W/H (+) SELF TAPPING SCREW 'HARDENED'	HK		6.0000	PC	1 PC FOR LENS & FRONT CABINET MTG.
.2	41-5429TSTUP-01	CE-5429 PLASTIC ASSEMBLY SHORT BLACK CAB.BLACK MOULDED (94V-0) NORMAL FLAT					3 PCS FOR CONTROL PCB & FRONT CABINET MTG. 2 PCS FOR SIDE AV PCB & FRONT CABINET MTG.
1	# NU-5429TST-BF01	X-RAY PROTECTIVE UNIT	DEC-18241		1.0000	PC	
.2	51-08001-23	DIODE 1N4148			1.0000	ST	
.2	52-A3200EJ12-AP	2 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	IT		2.0000	PC	D0907
.2	54-A54700CW1-AN	4.7 UF 16V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)	CH		2.0000	PC	R0919 R0921
.2	54-A54700FW1-AF	4.7 UF 50V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08			1.0000	PC	C0839
1	# NU-5429TST-BG03	SCART UNIT (MONO) - 'MAGNUM' (/SIMPLE SCART)	CH		1.0000	PC	C0922
.2	04-39750-16	M 3 X 16 B/H (+) MACHINE SCREW	HK		2.0000	PC	FOR 21 PIN JACK MTG.
.2	05-63050-00	M3 NUT	CH		2.0000	PC	FOR 21 PINS MTG.
.2	06-00302-00	M3 SPRING WASHER	CH		2.0000	PC	FOR 21 PINS MTG.
.2	13-0408800A-01	21 PIN PVC - W/WHITE SILKS. ENGLISH	DEC-18241		1.0000	PC	
.2	60-L5429T20-02A	SCART PCB (REVISED FROM 60-L5429T20-02)	DEC-18104	HK	1.0000	PC	ATTN.: (1) '1' - '2' OF PLUG SCA SHORT CIRCUIT. (2) '5' - '6' OF PLUG SCA SHORT CIRCUIT.
.2	61-10100-09	21-PIN SCART JACK	MR-0469		1.0000	PC	SJ0201
.2	73-4CEF261M-01C	4 POLE MODULAR WIRE.L=260MM	DEC-18225		1.0000	PC	ATTN.: (1)CONNECTING PLUG SCV WITH PLUG VO BY BROWN WIRES. (2)CONNECTING PLUG SCV TO WITH SOCKET J226 BY PINK WIRES. J226 IS A 2-PIN SOCKET.

21" CTV (FRONT CABINET :01-02046XXX-XX)

Model Number: CE-5429
Parent Code: VS-5429TST-05

Last Update ECN : DEC-18378

Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
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CONT.>	NU-5429TST-BG03	SCART UNIT (MONO) - 'CONTEC' (/SIMPLE SCART)			1.0000	ST	
							(3)R220 IS BARE WIRE.
							(4)DEL J245 BARE WIRE.
.2	73-4CEM261F-01C	4 POLE MODULAR WIRE.. L=260MM			1.0000	PC	ATTN: (1) CONECT 2-5 PINS OF SOCKET SCA WITH 2-5 PINS OF SOCKET SC.
							(2) SHORT CIRCUIT THE 1-2 & 4-5 PINS OF SOCK ET SCA.
							(3) SHORT CIRCUIT 1-2 & 4-5 PINS OF SOCKET SC ON MAIN PCB.
1	# NU-5429TST-BH01	2 AV SHIFT UNIT (MONO) - 'CONTEC'			1.0000	ST	
.2	52-A1750EJ12-AP	75 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			2.0000	PC	R0702 R0703
.2	54-A61000CW1-AN	10 UF 16V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)			2.0000	PC	C0704 C0706
.2	54-A71000CW1-AF	100 UF 16V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08					
			CH		3.0000	PC	C0701 C0705 C0708
.2	54-B41000FZ2-CI	100000PF 50V +80% -20% CERAMIC CAP	MR-0469		1.0000	PC	C0702
.2	60-L5429T20-05	AV SHIFT PCB.	DEC-17370	CH	1.0000	PC	ATTN: (1) SHORT CIRCUIT THE 3 & 4 PINS OF PLUG AV2. THE 1-2 PINS OF PLUG AV2 IS A 2-PIN PLUG. 4-5 PINS IS THE SAME OF IT.
							(2) R0701 BE REPLACED WITH BARE WIRE.
.2	61-11032-02	2.60 MM 1 X 40 PIN HEADER-RIGHT ANGLED	MR-0450		1.0000	PC	FOR AK1,VK1
.2	67-34018-01	I.C. TC4053BP	JP		1.0000	PC	IC0701
1	# NU-5429TST-D01	REMOTE HANDSET UNIT - 'CONTEC'			1.0000	ST	
.2	68-33001-50	REOMTE HANDSET W/TELETEXT DARK GREY GROUD AND WHITE WORDS ENGLISH IC.T6615					
			DEC-17409		1.0000	PC	
1	# NU-5429TST-E02	TUNER & IF UNIT - 'CONTEC' W/ CE			1.0000	ST	

Model Number: CE-5429
Parent Code: VS-5429TST-05

21" CTV (FRONT CABINET :01-02046XXX-XX)

Last Update ECN : DEC-18378

Level	Part Number	D e s c r i p t i o n		Ls ECN	C/O	Qty	UOM	R e m a r k s	
CONT.>	NU-5429TST-E02	TUNER & IF UNIT - 'CONTEC' W/ CE		-----	---	1.0000	ST	-----	
.2	52-A1330EJ12-AP	33 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)				1.0000	PC	R0109	
.2	54-A54700CW1-AN	4.7 UF 16V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)				4.0000	PC	C0106 C0107 C0108 C0109	
.2	59-08001-05	68 UH +-10% PEAKING COIL - HORIZONTAL TYPE (TYPE NO. AL0407-680K)		CH		1.0000	PC	L0106	
.2	68-18001-99	SAW FILTER F38.9P				1.0000	PC	PSF0201	
ATTN.:THE COMPONENT CAN'T BE REPLACED WITHOUT THE									
ENGINEER'S SPECIAL ORDER.									
.2	68-VB305DVS1-QJ	VS HYPER BAND TUNER 38.90 MHZ 5V VERTICAL TYPE:AVP5/1108		CH		1.0000	PC	TU0101	
ATTN: THE COMPONET CAN'T BE REPLACED WITHOUT THE E									
GINEER'S SPECIAL ORDER									
J6 SHORT CIRCUIT,ADD W0000 BARE WIRE.									
1	# NU-5429TST-F01	SIF UNIT - 'CONTEC'				1.0000	ST		
.2	51-08001-23	DIODE 1N4148			IT	2.0000	PC	D0202 D0203	
.2	52-A2100EJ12-AP	100 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			CH	1.0000	PC	R0227	
.2	52-A2220EJ12-AP	220 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			CH	2.0000	PC	R0229 R0230	
.2	52-A3270EJ12-AP	2.7 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			CH	2.0000	PC	R0228 R0239	
.2	52-A4100EJ12-AP	10 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			CH	2.0000	PC	R0231 R0232	
.2	54-A61000CW1-AN	10 UF 16V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)				1.0000	PC	C0235	
.2	54-B31000FZ1-AA	0.01 UF 50V +80% -20% CERAMIC CAP. (T103Z30Y5VF53L5A)		DEC-17771		1.0000	PC	C0236	
.2	59-08001-03	12 UH +-10% PEAKING COIL - HORIZONTAL TYPE (TYPE NO. AL0305-120K)		CH		1.0000	PC	L0206	
.2	66-55001-02	CERAMIC FILTER 5.5 MHZ, TYPE NO. SFSH5.5MCB (SFE5.5MB)		JP		1.0000	PC	CF0202	
.2	66-55001-03	CERAMIC TRAP 5.5MHZ (TPS5.5MB)		JP		1.0000	PC	CF0204	
.2	66-65001-10	CERAMIC TRAP 6.5 MHZ (TPS6.5MF)		CH		1.0000	PC	CF0203	
.2	66-65001-11	CERAMIC FILTER 6.5 MHZ (SFE6.5MB)		CH		1.0000	PC	CF0201	
1	# NU-5429TST-H01	SECAM UNIT - 'CONTEC'				1.0000	ST		

Model Number: CE-5429 21" CTV (FRONT CABINET :01-02046XXX-XX)
Parent Code: VS-5429TST-05

Last Update ECN : DEC-18378

Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
CONT. >	NU-5429TST-H01	SECAM UNIT -'CONTEC'	-----	---	1.0000	ST	-----
.2	52-A3620EJ12-AP	6.2 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13 TYPE)			1.0000	PC	R0011
.2	52-A3910EJ12-AP	9.1 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0002
.2	54-A51000FM1-AF	1 UF 50V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08					
			CH		2.0000	PC	C0013 C0016
.2	54-A52200FM1-AF	2.2 UF 50V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08					
			CH		1.0000	PC	C0012
.2	54-A71000BM1-AF	100 UF 10V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08					
			CH		2.0000	PC	C0011 C0019
.2	54-B11000FJ1-BN	100 PF 50V +-5% CERAMIC CAPACITOR (CC1 TYPE)			1.0000	PC	C0017
.2	54-B31000FZ2-AA	0.01 UF 50V +80%-20% CERAMIC CAPACITOR (T103Z34Z5VF6FJ5) (TAPED FORM)					
			CH		3.0000	PC	C0014 C0015 C0018
.2	54-C33300GK1-BP	0.033 PF 100V +-10% POLYESTER FILM CAPACITOR (CL11 TYPE)					
			MR-0456		1.0000	PC	C0020
.2	54-C41000GJ1-BP	0.1 UF 100V +-5% POLYESTER FILM CAPACITOR.					
			MR-0456	CH	2.0000	PC	C0021 C0022
.2	59-08001-07	39 UH +-10% PEAKING COIL - HORIZONTAL TYPE (AL0305-390K)		CH	2.0000	PC	L0011 L0012
.2	67-AA001275-01	I.C.TA1275AZ		JP	1.0000	PC	(1) C23 WITH A BARE WIRE. (2) DELETE BARE WIRE J202. (3) C232 POLARITY MUST BE REVERSE.
.2	68-04002-43	12-PIN FLEXIBLE CABLE L=170MM (NON-UL)		00	1.0000	PC	ATTN.: (1) USE 8 PINS OR 2 PCS 4 PINS. (2) FOR SC2.
1	# NU-5429TST-J04	HORIZONTAL,FBT & CRT UNIT			1.0000	ST	
.2	50-AC002499-01	TRANSISTOR 2SD2499		MA	1.0000	PC	Q0902
.2	50-AG000422-01	TRANSISTOR BF422		HK	3.0000	PC	Q0402 Q0404 Q0406
.2	50-AG033740-01	TRANSISTOR BC33740		SN	1.0000	PC	Q0901

Model Number: CE-5429 21" CTV (FRONT CABINET :01-02046XXX-XX)
Parent Code: VS-5429TST-05

Last Update ECN : DEC-18378

Level	Part Number	Description	Ls ECN	C/O	Qty	UOM	Remarks
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CONT. >	NU-5429TST-J04	HORIZONTAL,FBT & CRT UNIT			1.0000	ST	

ATTN.: THE CONFIGURATION OF B, C, E PINS IS
DIFFERENT.

.2	50-DY001015-01	TRANSISTOR TYP:A1015Y	MR-0469	CH	1.0000	PC	Q0407
.2	51-08001-23	DIODE 1N4148		IT	2.0000	PC	D0404 D0405
.2	52-A1560EJ12-AP	56 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			3.0000	PC	R0409 R0410 R0411
.2	52-A2100EJ12-AP	100 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			3.0000	PC	R0401 R0402 R0403
.2	52-A2330EJ12-AP	330 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0408
.2	52-A2470EJ12-AP	470 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0247
.2	52-A2510EJ12-AP	510 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			3.0000	PC	R0404 R0405 R0406
.2	52-A3100EJ12-AP	1 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			5.0000	PC	R0407 R0412 R0418 R0419 R0420
.2	52-A3150EJ12-AP	1.5 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0907
.2	52-A3180EJ12-AP	1.8 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0903
.2	52-A4100EJ12-AP	10 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0413
.2	52-A5100EJ12-AP	100 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0246
.2	52-B0100GJ12-AP	1 OHM 1/2W +-5% METAL OXIDE RESISTOR (RY15 TYPE) (PREFORMED)			1.0000	PC	R0309
.2	52-B2240JUE1-AP	240 OHM 2W +-5% METAL OXIDE FILM RESISTOR (RY17 TYPE) (PREFORMED)			1.0000	PC	R0916
.2	52-B2270JUE1-AP	270 OHM 2W +-5% METAL OXIDE RESISTOR (RY17 TYPE) (PREFORMED)			1.0000	PC	R0305
.2	52-B3470GJ12-AP	4.7 KOHM 1/2W +-5% METAL OXIDE RESISTOR (RY15 TYPE) (PREFORMED)			1.0000	PC	R0911
.2	52-B4150JUE1-AP	15 KOHM 2W +-5% METAL OXIDE RESISTOR (RY17 TYPE) (PREFORMED)			3.0000	PC	R0415 R0416 R0417
.2	52-D0150JUE1-AP	1.5 OHM 2W +-5% FUSIBLE RESISTOR (RF10-DA TYPE)			1.0000	PC	R0920
.2	52-N3470GJ12-AP	4.7 KOHM 1/2W +-5% METAL FILM RESISTOR (RJ15) (IN TAPE FORM)			3.0000	PC	R0426 R0427 R0428
.2	54-A61000FW1-AN	10 UF 50V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)			2.0000	PC	C0408 C0410
.2	54-B12000FJ2-AA	200 PF 50V +-5% CERAMIC CAPACITOR (TYPE NO:C201J26SLF6J5) (TAPED FORM)			1.0000	PC	C0244

Model Number: CE-5429 21" CTV (FRONT CABINET :01-02046XXX-XX)
Parent Code: VS-5429TST-05

Last Update ECN : DEC-18378

Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
CONT. >	NU-5429TST-J04	HORIZONTAL,FBT & CRT UNIT	-----	---	1.0000	ST	-----
.2	54-B12200FJ1-AA	220 PF 50V +-5% CERAMIC CAPACITOR			3.0000	PC	C0401 C0402 C0403
.2	54-B16800PK1-BN	680 PF 2KV +-10% CERAMIC CAP. (TYPE NO.:CT81)			2.0000	PC	C0412 C0918
.2	54-L31500FJ1-BP	0.015 UF 50V +-5% NON-INDUCTIVE POLYESTER FILM CAPACITOR (CL12 TYPE)					
			CH		1.0000	PC	C0245
.2	54-M3106AAL1-BC	0.0106 UF 1600V +-2% METALLIZED POLYPROPYLENE FILM CAPACITOR			1.0000	PC	C0908
.2	54-M43900JY1-BL	0.39 UF 250V +-5% METALLIZED POLYPROPYLENE FILM CAPACITOR (MPP(A)TYPE)					
			HK		1.0000	PC	C0917
.2	58-65498-01Y1	'BAISHENG' 21" FLYBACK TRANSFORMER - (TYPE NO.:BSC25-N0102)			1.0000	PC	
.2	59-02721-03C	DEGAUSSING COIL FOR 21" CTV (DOUBLE INSULATION)			1.0000	PC	
.2	59-04002-01	46 UH +-20% LINEARITY COIL (LS-11379)			1.0000	PC	L0904
.2	59-08001-05	68 UH +-10% PEAKING COIL - HORIZONTAL TYPE (TYPE NO. AL0407-680K)			1.0000	PC	L0401
.2	59-08001-18	56 UH +-10% CHOKE COIL (RL1011 TYPE)			1.0000	PC	L0903
.2	60-L0549620-05A	CRT PCB FOR 21" "SAMSUNG" CRT			1.0000	PC	ATTN.: Q401, Q403, Q405 PIN C,E SHOULD BE REPLACED
							WITH AN ANNEALED BARE WIRE.
.2	61-01100-01	CRT SOCKET (GZS10-2-104(D)) W/O PIN 4 (FOR D=29.1MM) VDE-APPROVED			1.0000	PC	CRT1
.2	69-01119-18	'SAMSUNG' 21" CRT A51KQK9X01 (W/DY: DST-2195AL(2))			1.0000	PC	
.2	73-4AEM421M-03C	4 POLE MODULAR WIRE.L=420MM			1.0000	PC	PLUG I.
.2	73-6ADF471N-02C	6 POLES MODULAR WIRE.L=470MM			1.0000	PC	ATTN.: YOKE COIL WIRE FOR CRT.
1	NU-5429TST-K05	AV UNIT SIDE AV MONO W/2 LINE AV IN PRATS - 'CONTEC' (W/CE)			1.0000	ST	
.2	04-33790-10	T 3 X 10 B/H (+) SELF TAPPING SCREW 'HARDENED'			2.0000	PC	
.2	13-0202500A-09	SIDE AV PVC INLAYW/WHITE SILKSCREEN ENGLISH (W/MONO AV IN)			1.0000	PC	
.2	13-0209400A-08	REAR AV PLATE W/O SILKSCREEN & HOLES.			1.0000	PC	
.2	50-DY001815-01	TRANSISTOR TYP:C1815Y	MR-0469		2.0000	PC	Q0205 Q0206
.2	51-08001-23	DIODE 1N4148	IT		1.0000	PC	D0219

Model Number: CE-5429
Parent Code: VS-5429TST-05
21" CTV (FRONT CABINET :01-02046XXX-XX)

Last Update ECN : DEC-18378

Level	Part Number	D e s c r i p t i o n		Ls ECN	C/O	Qty	UOM	R e m a r k s	

CONT. >	NU-5429TST-K05	AV UNIT SIDE AV MONO W/2 LINE AV IN PRATS - 'CONTEC' (W/CE)				1.0000	ST	-----	
.2	52-A2100EJ12-AP	100 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)		CH	2.0000	PC	R0240	R0249	
.2	52-A3100EJ12-AP	1 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)		CH	1.0000	PC	R0245		
.2	52-A4100EJ12-AP	10 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)		CH	1.0000	PC	R0242		
.2	52-A4560EJ12-AP	56 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			2.0000	PC	R0244	R0263	
.2	54-A51000FW1-AF	1 UF 50V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08							
				CH	2.0000	PC	C0229	C0251	
.2	54-A61000CW1-AN	10 UF 16V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)			2.0000	PC	C0243	C0250	
.2	54-A71000CW1-AF	100 UF 16V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08							
				CH	1.0000	PC	C0242		
.2	54-B21000FK1-BN	1000 PF 50V +-10% CERAMIC CAPACITOR (CT1 TYPE)			3.0000	PC	1 PC FOR THE BACK SIDE SOLDERED ON THE '1' TO '2'		
							PINS OF PLUG A2.		
							1 PC FOR MOUNTED ON THE BACK SIDE OF THE MAIN PCB.		
							ONE END CONNECTED WITH THE CATHODE OF C243,		
							THE TO HER OTHER CONNECTED THE GROUND.		
							1 PC FOR THE BACK SIDE SOLDERED TO THE 'R1' TO 'G'		
							PINS OF PLUG AK.		
.2	59-06411-06	15 UH +-10% PEAKING COIL - HORIZONTAL TYPE (TYPE NO. AL0305-150K)		CH	3.0000	PC	C1201	J0913	
							1 PC FOR CUT THE COPPER SHEET FROM THE CATHODE OF		
							C243 ON MAIN PCB TO '2' PIN OF PLUG SC AND		
							CONNECTED WITH 15UH COIL.		
							1 PC REPLACED WITH C1201.		
							1 PC REPLACED WITH J0913		
.2	60-L0542920-03	SIDE-AV PC BOARD				1.0000	PC		
.2	61-R1100WH11-FD	1 POLE WHITE RCA JACK.TYPE:RCA-101 HORIZONTAL				1.0000	PC	SW1202	

Model Number: CE-5429
Parent Code: VS-5429TST-05

21" CTV (FRONT CABINET :01-02046XXX-XX)

Last Update ECN : DEC-18378

Level	Part Number	Description	Ls ECN	C/O	Qty	UOM	Remarks
CONT.>	NU-5429TST-K05	AV UNIT SIDE AV MONO W/2 LINE AV IN PRATS - 'CONTEC' (W/CE)			1.0000	ST	
.2	61-R1100YH11-FD	1 POLE YELLOW RCA JACK TYPE:RCA-101 HORIZONTAL			1.0000	PC	SW1201
.2	73-2EFP421M-01C	2-POLE MODULAR WIRE (L=420MM)			2.0000	PC	ATTN: (1)CONNECT 2-3 PINS OF PLUG V2 WITH 2-1 PINS PLUG AV2 BY RED WIRES. SHORT CIRCUIT 1-2 PINS OF PLUG V2. (1)CONNECT 1-2 PINS OF PLUG A2 WITH 5-4 PINS OF PLUG AV2.
1	# NU-5429TST-L01	POWER SUPPLY UNIT - 'CONTEC'			1.0000	ST	
.2	50-41305-01	TRANSISTOR 2SC5287 WITH MICA SHEET		JP	1.0000	PC	Q0501
.2	57-10202-01	2 M VDE H03VVH2-F 2x0.75 SQUARE MM CORD + 2.5A PLUG + CUTTED TAIL.HK			1.0000	PC	
1	# NU-5429TST-N02	AUDIO UNIT - MONO 'CONTEC'			1.0000	ST	
.2	02-0204600C-00A	HEAT SINK	MR-0464		1.0000	PC	FOR IC7056.
.2	52-A0820EJ12-AP	8.2 OHM 1/6W +-5% CARBOM FILM RESISTOR (RY13A TYPE)			1.0000	PC	R0612
.2	52-A2200EJ12-AP	200 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13 TYPE)			1.0000	PC	R0605
.2	52-A3100EJ12-AP	1 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	DEC-17339	CH	2.0000	PC	R0606 R0617
.2	52-A3180EJ12-AP	1.8 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)		CH	1.0000	PC	R0257
.2	52-A3330EJ12-AP	3.3 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	DEC-17719		1.0000	PC	R0602
.2	52-A3470EJ12-AP	4.7 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)		CH	1.0000	PC	R0601
.2	52-A4100EJ12-AP	10 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	DEC-17493	CH	1.0000	PC	R0611
.2	52-B0100JUE1-AP	1 OHM 2W +-5% METAL OXIDE RESISTOR (RY17 TYPE) (PREFORMED)					
			DEC-17339		1.0000	PC	R0600
.2	54-A64700BW1-AF	47 UF 10V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08					
.2	54-B41000FZ2-CI	100000PF 50V +80% -20% CERAMIC CAP	MR-0469		1.0000	PC	C0601
.2	54-C32200GK1-BP	0.022 UF 100V +-10% POLYESTER FILM CAPACITOR (CL11 TYPE)		CH	1.0000	PC	C0610

Model Number: CE-5429 21" CTV (FRONT CABINET :01-02046XXX-XX)

Parent Code: VS-5429TST-05

Last Update ECN : DEC-18378

Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
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CONT.>	NU-5429TST-N02	AUDIO UNIT - MONO 'CONTEC'			1.0000	ST	
.2	54-C42200GJ1-BF	0.22 UF 100V +-5% POLYESTER FILM CAPACITOR (HG TYPE) (2A224J)	KO		1.0000	PC	C0612
.2	54-S44700FW1-BY	0.47 UF 50V +-20% MULTILAYER CERAMIC CAPACITOR (CT4-0805F474M500F3)					
			HK		1.0000	PC	C0602
.2	63-10803-20	8 OHM 3 W SPEAKER 40X105.5MM	MR-0456		2.0000	PC	
.2	67-AF007056-02	I.C. TDA7056A	DEC-17641	TW	1.0000	PC	IC0600
.2	73-2AEF80IN-02C	2 POLE MODULAR WIRE. L=800MM. FOR SPEAKER USE, VERY SPECIAL.			1.0000	PC	ATTN:L600,L601 ARE BARE WIRE.
1	# NU-5429TST-Q02	1 PAGE ENGLISH RUSSIAN ARABIC OSD CPU UNIT - 'CONTEC'			1.0000	ST	
.2	51-08001-23	DIODE 1N4148	IT		5.0000	PC	D0810 D0811 D0819 D0820 D0821
.2	52-A2100EUJ12-AP	100 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		5.0000	PC	R0804 R0805 R0809 R0819 R0820
.2	52-A2220EUJ12-AP	220 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		3.0000	PC	R0824 R0825 R0826
.2	52-A2560EUJ12-AP	560 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		1.0000	PC	R0871
.2	52-A3100EUJ12-AP	1 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		5.0000	PC	R0822 R0862 R0863 R0876 R0879
.2	52-A3150EUJ12-AP	1.5 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		1.0000	PC	R0806
.2	52-A3200EUJ12-AP	2 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		2.0000	PC	R0857 R0858
.2	52-A3470EUJ12-AP	4.7 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		1.0000	PC	R0881
.2	52-A3560EUJ12-AP	5.6 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		3.0000	PC	R0810 R0813 R0880
.2	52-A3680EUJ12-AP	6.8 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		1.0000	PC	R0811
.2	52-A4150EUJ12-AP	15 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0814
.2	52-A4220EUJ12-AP	22 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			2.0000	PC	R0821 R0860
.2	52-A4470EUJ12-AP	47 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)	CH		1.0000	PC	R0812
.2	52-A5560EUJ12-AP	560 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0884
.2	52-A6220EUJ12-AP	2.2 MOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)			1.0000	PC	R0849
.2	54-A44700FW1-AF	0.47 UF 50V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)	CH		1.0000	PC	C0833
.2	54-A54700FW1-AF	4.7 UF 50V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08					

Model Number: CE-5429 21" CTV (FRONT CABINET :01-02046XXX-XX)

Parent Code: VS-5429TST-05

Last Update ECN : DEC-18378

Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
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CONT.>	NU-5429TST-Q02	1 PAGE ENGLISH RUSSIAN ARABIC OSD CPU UNIT - 'CONTEC'			1.0000	ST	
.2	54-A61000CW1-AN	10 UF 16V +-20% ELECTROLYTIC CAPACITOR (CD110 TYPE)					
.2	54-A64700BW1-AF	47 UF 10V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08	CH		2.0000	PC	C0822 C0823
.2	54-A71000CW1-AF	100 UF 16V +-20% ALUMINUM ELECTROLYTIC CAPACITOR TYPE : CD11G, D.F.=0.08	CH		2.0000	PC	C0805 C0924
.2	54-B02200FJ2-AA	22 PF 50V +-5% CERAMIC CAPACITOR (TYPE NO:C220J20SLF6FJ5) (TAPED FORM)	CH		1.0000	PC	C0813
.2	54-B03300FJ1-BN	33 PF 50V +-5% CERAMIC CAPACITOR (CC1 TYPE)	CH		2.0000	PC	C0827 C0836
.2	54-B08200FJ1-AA	82 PF 50V +-5% CERAMIC CAP. (Y5F)	MR-0456		2.0000	PC	C0808 C0809
.2	54-B11800FJ1-AA	180 PF 50V +-5% CERAMIC CAP. (C181J26SLF53L5)	MR-0456	CH	1.0000	PC	C0832
.2	54-B12200FJ1-AA	220 PF 50V +-5% CERAMIC CAPACITOR	CH		1.0000	PC	C0815
.2	54-B12200FJ2-BN	220 PF 50V +-5% CERAMIC CAPACITOR (CC1-SL-50V-220PF+-5%) (TAPE FORM)			3.0000	PC	C0890 C0891 C0892
.2	54-B21500FK1-AA	1500 PF 50V +-10% CERAMIC CAPACITOR	MR-0456	CH	1.0000	PC	C0841
.2	54-B22200FK1-BN	2200 PF 50V +-10% CERAMIC CAPACITOR (CT1 TYPE)			1.0000	PC	C0829
.2	54-B24700FK2-CI	4700PF 50V +-10% CERAMIC CAPACITOR	MR-0469		2.0000	PC	C0828 C0835
.2	54-B41000FZ1-BN	0.1 UF 50V +80-20% CERAMIC CAPACITOR (CT1 TYPE)			2.0000	PC	C0806 C0830
.2	54-B41000FZ2-CI	100000PF 50V +80% -20% CERAMIC CAP	MR-0469		3.0000	PC	C0810 C0825 C0837
.2	54-C32200GK1-BP	0.022 UF 100V +-10% POLYESTER FILM CAPACITOR (CL11 TYPE)	CH		1.0000	PC	C0814
.2	54-C41000GJ1-BP	0.1 UF 100V +-5% POLYESTER FILM CAPACITOR.	CH		1.0000	PC	C0826
.2	54-S42200FZ1-BM	0.22 UF 50V +80% -20% MULTILAYER CAPACITOR (CT4-3-2C1-220N-50V-Z)			1.0000	PC	C0884
.2	59-08001-26	33 UH +-10% PEAKING COIL - HORIZONTAL TYPE (AL0305-330K) IN TAPED FORM					
			CH		1.0000	PC	L0801

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Parent Code: VS-5429TST-05

Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
CONT.>	NU-5429TST-Q02	1 PAGE ENGLISH RUSSIAN ARABIC OSD CPU UNIT - 'CONTEC'	---	---	1.0000	ST	-----
.2	59-08001-32	6.8 UH +-10% PEAKING COIL - HORIZONTAL TYPE (AL0305-6R8K) (IN TAPED FORM)					
			CH		2.0000	PC	L0802 L0803
.2	65-03005-32	FERRITE BEAD FB02					
			CH		4.0000	PC	L0804 L0805 L0806 L0807
.2	66-40001-03	CRYSTAL 4.0 MHZ HC18/U SHENZHEN ZHENFENG					
			CH		1.0000	PC	X0801
.2	67-CP024C08-01	I.C. FM24C08 (SIZE: 8K BYTES)					
					1.0000	PC	IC0802
.2	67-CY092195-02	CPU ST92195C3B1 1 PAGE ENGLISH RUSSIAN ARABIC OSD					
			FR		1.0000	PC	IC0801
1	# NU-5429TST-U01	KEYBOARD UNIT - 'CONTEC'					
					1.0000	ST	
.2	52-A2560EJ12-AP	560 OHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)					
			DEC-17595	CH	1.0000	PC	KR0839
.2	52-A3160EJ12-AP	1.6 KOHM 1/6W +-5% CARBON FILM RESISTOR					
			DEC-17595		1.0000	PC	KR0818
.2	52-A3330EJ12-AP	3.3 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)					
			DEC-17888		2.0000	PC	KR0817 R0882
.2	52-A3620EJ12-AP	6.2 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13 TYPE)					
			DEC-17595		1.0000	PC	KR0816
.2	52-A4160EJ12-AP	16 KOHM 1/6W +-5% CARBON FILM RESISTOR (RT13A TYPE)					
			DEC-17595		1.0000	PC	KR0815
.2	60-L0542920-05	KEY PCB					
			DEC-17595	CH	1.0000	PC	ATTN:KR0840 REPLACED WITH BARE WIRE.
.2	64-30101-33	1-KEY TACT SWITCH 1P1T (L=5MM) HORIZONTAL TYPE (KFC-A06-X504565F)					
			MR-0456		6.0000	PC	SW0801 SW0802 SW0803 SW0804 SW0805 SW0806
.2	64-30202-81	POWER SWITCH. TYPE:KDC-A06C3 W/VDE APPROVAL					
			MR-0456		1.0000	PC	SW0501
.2	69-01014-32	LED BT 2251-2 (H)					
			DEC-17409	CH	1.0000	PC	D0822
							ASSEMBLE ON MAIN PCB.
.2	69-02015-30	PHOTO RECEIVER MOLDULE - HRM538BB5103					
			MR-0450	CH	1.0000	PC	IC0803
							ASSEMBL ON MAIN PCB.
.2	73-2AEF251M-01C	2-POLE MODULAR WIRE (L=250MM)					
			DEC-17370		1.0000	PC	PLUG KK
							ATTN:FOR KK WIRE.
1	# ZU-21-AR01	CONSUMABLE PARTS UNIT FOR 14" & 21" CHASSIS ASSY					
					1.0000	ST	
.2	C01-010	OIL CLOTH TUBE ID = 1.5 MM (NON-UL)					
			DEC-17752	CH	0.0600	M	

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Parent Code: VS-5429TST-05
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Last Update ECN : DEC-18378

Level	Part Number	D e s c r i p t i o n	Ls ECN	C/O	Qty	UOM	R e m a r k s
CONT. >	ZU-21-AR01	CONSUMABLE PARTS UNIT FOR 14" & 21" CHASSIS ASSY	-----	---	1.0000	ST	-----
.2	C02-004	DOUBLE SIDE TAPE 1/8 IN. (WHITE) (19 METERS/ROLL)	DEC-17752	CH	0.0100	RL	
.2	C02-005	TRANSPARENT ADHESIVE TAPE 1/2 IN. (12 METERS/ROLL)	DEC-17752	CH	0.0090	RL	
.2	C02-010	MASKING TAPE 3/4 IN. (14 METERS/ROLL)	DEC-17752	CH	0.0100	RL	
.2	C02-013	ELECT. TAPE 3/4 IN. (10 METERS/ROLL)	DEC-17752	00	0.0060	RL	
.2	C03-006	BLACK ADHESIVE (SONY) SC-108	DEC-17752	00	0.0010	KG	
.2	C03-011	HOT MELT ADHESIVE	DEC-17752	CH	0.0020	KG	
.2	C05-003	ALCOHOL		CH	0.0100	KG	
.2	C05-004	THINNER 810		CH	0.0170	KG	
.2	C06-001	SOLDERING BAR 60/40	DEC-17752	CH	0.0300	KG	
.2	C06-002	SOLDERING WIRE 60/40	DEC-17752	CH	0.0170	KG	
.2	C06-005	SOLDERING FLUX #809		CH	0.0110	KG	
.2	C06-006	TRICHLORETHYLENE		CH	0.0150	KG	
.2	C06-007	YELLOW CONTACT CEMENT KT-2	DEC-17752	HK	0.0010	GL	
.2	C07-005	ANNEALED BARE COPPER WIRE 0.6MM	DEC-17752	CH	0.0160	KG	
.2	C07-006	HEAT TRANSFER COMPOUND	DEC-17752	CH	0.0008	KG	
.2	C08-003	TESAKREPP 300 6MM X 2KM	DEC-17752	SN	1.6500	M	
.2	C08-004	WOODFREE PAPER ROLL	DEC-17752	SN	1.6500	M	
1	# ZU-21-BR01	CONSUMABLE PARTS UNIT FOR 21" CASING ASSY.			1.0000	ST	
.2	C02-005	TRANSPARENT ADHESIVE TAPE 1/2 IN. (12 METERS/ROLL)	DEC-17752	CH	0.0070	RL	
.2	C02-010	MASKING TAPE 3/4 IN. (14 METERS/ROLL)	DEC-17752	CH	0.0050	RL	
.2	C02-014	TRANSPARENT ADHESIVE TAPE W=50.8MM (28 METERS/ROLL)	DEC-17752	CH	0.0450	RL	
.2	C03-006	BLACK ADHESIVE (SONY) SC-108	DEC-17752	00	0.0015	KG	
.2	C03-015	ABS MELT ADHESIVE	DEC-17752		0.0005	KG	
.2	C05-003	ALCOHOL	DEC-17752	CH	0.0038	KG	

Model Number: CE-5429
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21" CTV (FRONT CABINET :01-02046XXX-XX)

Last Update ECN : DEC-18378

Level	Part Number	Description	Ls ECN	C/O	Qty	UOM	Remarks
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CONT. >	ZU-21-BR01	CONSUMABLE PARTS UNIT FOR 21" CASING ASSY.			1.0000	ST	

- .2 C06-002 SOLDERING WIRE 60/40
.2 C08-005 STAPLE 18MM
- < Abbreviation > CLS : MD-Model, VS-Version, AS-Assembly, UN-Unit
U/M : FT-Foot, GL-Gallon, KG-Kilogram, KT-Kit, LB-Pound, LT-Litre, M-Metre, MM-Millimetre,
OZ-Ounce, PC-Piece, PR-Pair, RL-Roll, ST-Set, TB-Tube, TN-Tin, UN-Unit.
* : Alternate Active Marks, # : (After ECN) Non-Approved Part Item,
& : Please Refer Schema Remarks, D : NOT-Used Dead Part Item.
! : Critical Components

*** END OF REPORT ***